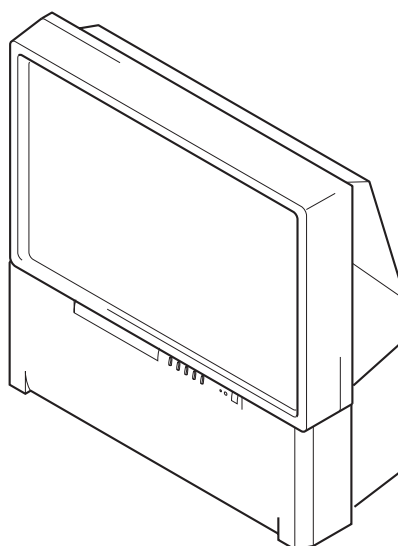


# SERVICE MANUAL RE-2A CHASSIS

| <u>MODEL</u> | <u>COMMANDER</u> | <u>DEST.</u> | <u>CHASSIS NO.</u> |
|--------------|------------------|--------------|--------------------|
| KP-41PX1     | RM-892           | AEP          | SCC-P66A-A         |
| KP-41PX1K    | RM-892           | OIRT         | SCC-P68A-A         |
| KP-41PX1R    | RM-862           | Russian      | SCC-P67A-A         |



RM-892



PROJECTION TV  
**SONY**®

## SPECIFICATIONS

### TV system

B/G/H, D/K, I, L

### Colour system

PAL, SECAM

NTSC 3.58, 4.43 (only Video In)

### Channel coverage

VHF: E2-E12

UHF: E21-E69

CATV: S1-S20

HYPER: S21-S41

D/K: R1-R12, R21-R69

L: F2-F10, B-Q, F21-F69

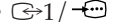
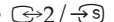
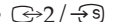
I: UHF B21-B69

### Projected picture size

41 inches

Approx. 130 measured diagonally

### Rear Terminals

-  Centre speaker input terminals (2 terminals)
-  (L, R) audio outputs (phono jacks)
-  21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
-  2 21-pin Euro connector (CENELEC standard) including audio/video input, S video input, selectable audio/video output
-  3 (SMARTLINK) 21-pin Euro connector (CENELEC standard) including audio/video input, selectable audio / video output (selectable the same output source as  2 connector) and Smartlink interface (41PX1/41PX1R)

### Front Terminals

-  2 video input - phono jack
-  2 audio inputs - phono jacks
-  2 S video input - 4 pin DIN
-  Headphones jack - minijack stereo

### Sound output

2 x 30 W (music power)

2 x 15 W (RMS)

### Centre SP input

30 W (RMS) (using as the centre speaker)

### Power consumption

145 W

### Standby Power consumption

0.7 W

### Dimensions (w x h x d)

Approx. 948 x 992 x 511 mm

### Weight

Approx. 43 kg

### Accessories supplied

1 Remote Control (RM-892) : 41PX1/41PX1K

 (RM-862) : 41PX1R

2 Batteries (IEC designated)

### Other features

Digital Comb filter (High resolution)

TELETEXT, Fastext, TOPtext

NICAM

Sleep Timer

Smartlink : 41PX1/41PX1K

Dolby Virtual

Design and specifications are subject to change without notice.

### CAUTION

SHORT CIRCUIT THE ANODE OF HTE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

## TABLE OF CONTENTS

| <i>Section</i>                                                 | <i>Title</i> | <i>Page</i> | <i>Section</i>                                        | <i>Title</i> | <i>Page</i> |
|----------------------------------------------------------------|--------------|-------------|-------------------------------------------------------|--------------|-------------|
| <b>1. SELF DIAGNOSIS FUNCTION</b>                              |              | 4           | <b>7. DIAGRAMS</b>                                    |              |             |
| <b>2. GENERAL</b>                                              |              | 10          | 7-1. Block Diagrams                                   |              | 45          |
| <b>3. DISASSEMBLY</b>                                          |              |             | 7-2. Frame Schematic Diagram                          |              | 52          |
| 3-1. Rear Board Removal                                        |              | 24          | 7-3. Circuit Boards Location                          |              | 54          |
| 3-2. Chassis Assembly Removal                                  |              | 24          | 7-4. Schematic Diagrams and Printed Wiring Boards     |              | 54          |
| 3-3. Service Position                                          |              | 24          | (1) Schematic Diagram of A (1/5) Board (41PX1/41PX1K) |              | 55          |
| 3-4. Terminal board Removal                                    |              | 25          | (2) Schematic Diagram of A (2/5) Board (41PX1/41PX1K) |              | 56          |
| 3-5. U (UE), A (AE) and D Boards Removal                       |              | 25          | (3) Schematic Diagram of A (3/5) Board (41PX1/41PX1K) |              | 57          |
| 3-6. E Board Removal                                           |              | 26          | (4) Schematic Diagram of A (4/5) Board (41PX1/41PX1K) |              | 58          |
| 3-7. G Board Removal                                           |              | 26          | (5) Schematic Diagram of A (5/5) Board (41PX1/41PX1K) |              | 59          |
| 3-8. Speaker Grille and Resistor Assembly (Focus Pack) Removal |              | 27          | (6) Schematic Diagram of AE (1/5) Board (41PX1R)      |              | 64          |
| 3-9. H1 and H2 Boards Removal                                  |              | 27          | (7) Schematic Diagram of AE (2/5) Board (41PX1R)      |              | 65          |
| 3-10. Mirror Cover and Beznet Assembly Removal                 |              | 28          | (8) Schematic Diagram of AE (3/5) Board (41PX1R)      |              | 66          |
| 3-11. High-Voltage Cable Removal and Installation              |              | 28          | (9) Schematic Diagram of AE (4/5) Board (41PX1R)      |              | 67          |
| 3-12. Picture Tube Removal                                     |              | 28          | (10) Schematic Diagram of AE (5/5) Board (41PX1R)     |              | 68          |
| <b>4. SET-UP ADJUSTMENTS</b>                                   |              |             | (11) Schematic Diagram of D (1/3) Board               |              | 73          |
| 4-1. Screen Voltage Adjustment (Rough Alignment)               |              | 29          | (12) Schematic Diagram of D (2/3) Board               |              | 74          |
| 4-2. Focus Rough Adjustment                                    |              | 29          | (13) Schematic Diagram of D (3/3) Board               |              | 75          |
| 4-3. Screen (G2) Adjustment                                    |              | 29          | (14) Schematic Diagram of E (1/4) Board               |              | 79          |
| 4-4. Deflection Yoke Tilt Adjustment                           |              | 29          | (15) Schematic Diagram of E (2/4) Board               |              | 80          |
| 4-5. 2-Pole Magnet Adjustment (Green and Red)                  |              | 30          | (16) Schematic Diagram of E (3/4) Board               |              | 81          |
| 4-6. 4-Pole Magnet Adjustment                                  |              | 30          | (17) Schematic Diagram of E (4/4) Board               |              | 82          |
| 4-7. Green, Red and Blue Focus Adjustment                      |              |             | (18) Schematic Diagram of ZG Board                    |              | 85          |
| 4-7-1. Green, Red and Blue Lens Focus Adjustment               |              | 30          | (19) Schematic Diagram of ZR Board                    |              | 86          |
| 4-7-2. Green, Red and Blue Electrical Focus Adjustment         |              | 30          | (20) Schematic Diagram of CR Board                    |              | 87          |
| <b>5. SAFETY RELATED ADJUSTMENT</b>                            |              |             | (21) Schematic Diagram of CG Board                    |              | 88          |
| 5-1. HV Hold Down Adjustment                                   |              | 31          | (22) Schematic Diagram of CB Board                    |              | 89          |
| <b>6. ELECTRICAL ADJUSTMENTS</b>                               |              |             | (23) Schematic Diagram of U Board (41PX1/41PX1K)      |              | 90          |
| 6-1. How to Enter the Service Mode                             |              |             | (24) Schematic Diagram of UE Board (41PX1R)           |              | 91          |
| 6-1-1. Adjustment Method with Commander                        |              | 32          | (25) Schematic Diagram of H1 Board                    |              | 92          |
| 6-1-2. Screen Display on the Test Menu                         |              | 32          | (26) Schematic Diagram of H2 Board                    |              | 93          |
| 6-1-3. Service List (Convergence)                              |              | 34          | (27) Schematic Diagram of G Board                     |              | 94          |
| 6-2. Registration Adjustment                                   |              |             | 7-5. Semiconductors                                   |              | 96          |
| 6-2-1. Registration Adjustment Method                          |              | 37          | <b>8. EXPLODED VIEWS</b>                              |              |             |
| 6-2-2. Main Deflection Adjustment                              |              | 37          | 8-1. Screen and Control Panel Block                   |              | 97          |
| 6-2-3. Sub Deflection Adjustment                               |              | 38          | 8-2. Cabinet Block                                    |              | 98          |
| 6-3. Horizontal Position Adjustment                            |              | 43          | 8-3. Main Bracket Block                               |              | 99          |
| 6-4. Text Position Adjustment                                  |              | 43          | 8-4. Mechaseal Block                                  |              | 100         |
| 6-5. White Balance Adjustment                                  |              | 44          | <b>9. ELECTRICAL PARTS LIST</b>                       |              | 101         |
| 6-6. Sub Brightness Adjustment                                 |              | 44          |                                                       |              |             |
| 6-7. Sub Contrast Adjustment (A or AE Board)                   |              | 44          |                                                       |              |             |

## SECTION 1

### SELF DIAGNOSIS FUNCTION

#### Diagnostic Errors

The errors indicated below can be read using an Error Reader Display (Part Number S-188-900-10) connected to the service connector. Once an error has been detected it will then be displayed on the two digit error reader.

During the power up procedure and during normal run time, the micro's self diagnostic procedures monitor for various errors, as described in the table below:

| Error Number | Error Description                                                                       |
|--------------|-----------------------------------------------------------------------------------------|
| 00           | No error (TV Error Reader shows 00 in normal condition)                                 |
| 01           | Not allowed (may be confused with SIRCS response flash on LED)                          |
| 02           | Protection circuit trip (Any time)                                                      |
| 03           | Reserved                                                                                |
| 04           | No Vertical Synchronism                                                                 |
| 05           | AKB                                                                                     |
| 06           | IIC SCL Low < Power Up Only >                                                           |
| 07           | IIC SDA Low < Power Up Only >                                                           |
| 08           | IIC SDA & SCL Low < Power Up Only >                                                     |
| 09           | Jungle controller no acknowledge < Power Up Only >                                      |
| 10           | Video Switch (CXA2040) no acknowledge < Power Up Only >                                 |
| 11           | Tuner no acknowledge                                                                    |
| 12           | MSP no acknowledge                                                                      |
| 13           | NVM no acknowledge                                                                      |
| 14           | AV Switch (CXA2089) no acknowledge                                                      |
| 15           | Digital micro no acknowledge                                                            |
| 16           | Port Expander (CXA1875) no acknowledge                                                  |
| 17           | Multiple devices with no acknowledge <Power Up Only>                                    |
| 18           | Cannot initialize jungle (after initial power on check OK) - < Chassis Initialization > |
| 19           | Jungle controller response failure after power up check (+9V) test                      |
| 20           | Video Switch (CXA2040) cannot power on reset - < Chassis Initialization >               |
| 21           | Video Switch (CXA2040) response failure after power up check (+9V)                      |
| 22           | NVM acknowledge fail after initialization (STBY +5V)                                    |
| 23           | MSP run-time failure < May Not Be Fatal - Display On Error Reader >                     |
| 24           | DSP run-time failure < May Not Be Fatal - Display On Error Reader >                     |
| 25           | M3L bus Clock low time out after data send < Run-Time Failure >                         |
| 26           | M3L bus Clock low time out after data send < At Power Up Check >                        |
| 27           | M3L bus Clock low time out after data send < At Initialization >                        |
| 28           | M3L Txd Low < Power Up Only >                                                           |
| 29           | M3L Rxd Low < Power Up Only >                                                           |
| 30           | M3L Enable Low < Power Up Only >                                                        |
| 31           | Compact Text test fail < Power Up Only >                                                |
| 32           | Compact Text does not respond (+5V test)                                                |
| 33           | Compact text run-time failure < May Not Be Fatal - Display On Error Reader >            |

### Protection Error (Error 2):

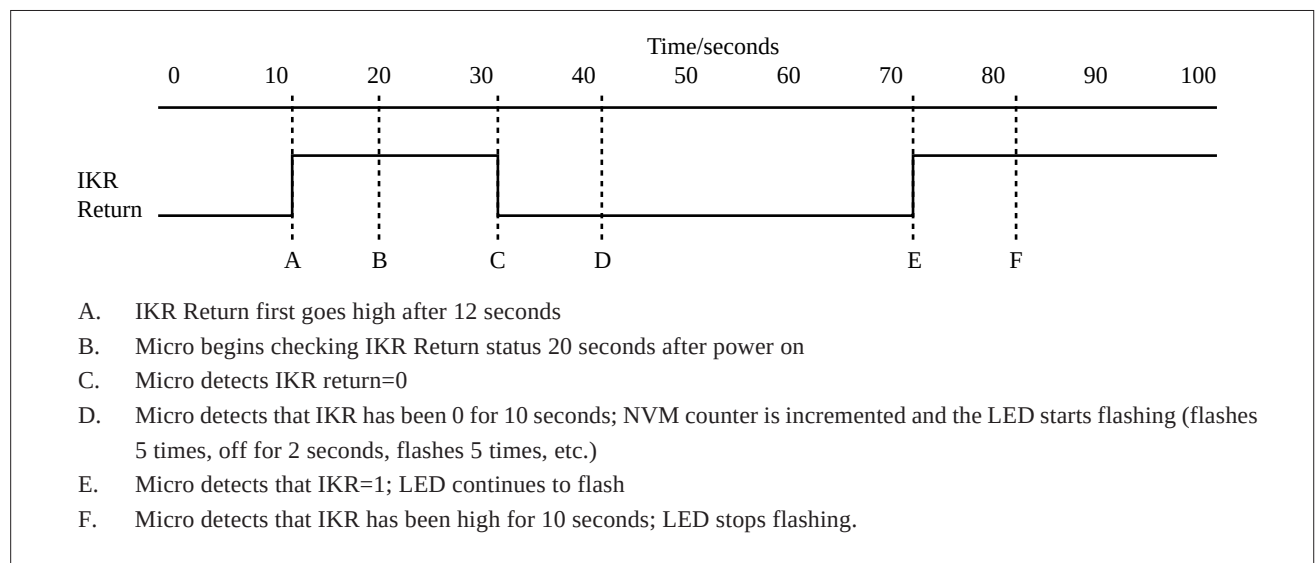
Once every main loop (approximately 200ms OSD mode, 50ms text or menu mode), the micro checks the protection pin (pin 66). If the protection pin is high 6 successive times, a protection error is diagnosed. The protection pin is **not** checked during the first 3-4 seconds after AC on.

*If this error is diagnosed, the respective NVM register will be updated and the set goes straight into diagnostic standby with 2 flashes - no reset is attempted.*

### AKB Error (Error 5):

Once every main loop the micro checks the AKB stability by reading the IKR return from the jungle. IKR=1 means that AKB is stable, IKR=0 means that AKB is unstable. If the AKB status is unstable for 10 seconds, an AKB error is diagnosed. AKB stability is **not** checked during the first 20 seconds after AC on.

*If this error is diagnosed, the respective NVM register will be updated and the response LED will flash 5 times continually, but the set will **not** go into standby. If the AKB status becomes stable, and remains stable for 10 seconds, the LED will stop flashing.*



### Startup Diagnostic Errors (Errors 6-16, 26, 28-31):

These errors are checked for during the power up sequence before attempting to retrieve data from the NVM.

- 6 - SCL pin low
- 7 - SDA pin low
- 8 - Both the SCL and the SDA pin are low
- 9 - No acknowledge from the jungle (CXA2076)
- 10 - No acknowledge from the video switch (CXA2040)
- 11 - No acknowledge from the tuner
- 12 - No acknowledge from the MSP
- 13 - No acknowledge from the NVM
- 14 - No acknowledge from the CXA2089 video switch
- 16 - No acknowledge from the CXA1875 Port Expander
- 26 - M3L\_TXD pin low after Compact Text RAM test
- 28 - M3L\_TXD pin low
- 29 - M3L\_RXD pin low
- 30 - M3LEN pin low
- 31 - Compact Text RAM test fail

*If any of these errors are detected, the respective NVM register will be incremented. The software will then carry on with the power up sequence.*

### General I<sup>2</sup>C Device Run-time Errors (Errors 18-22):

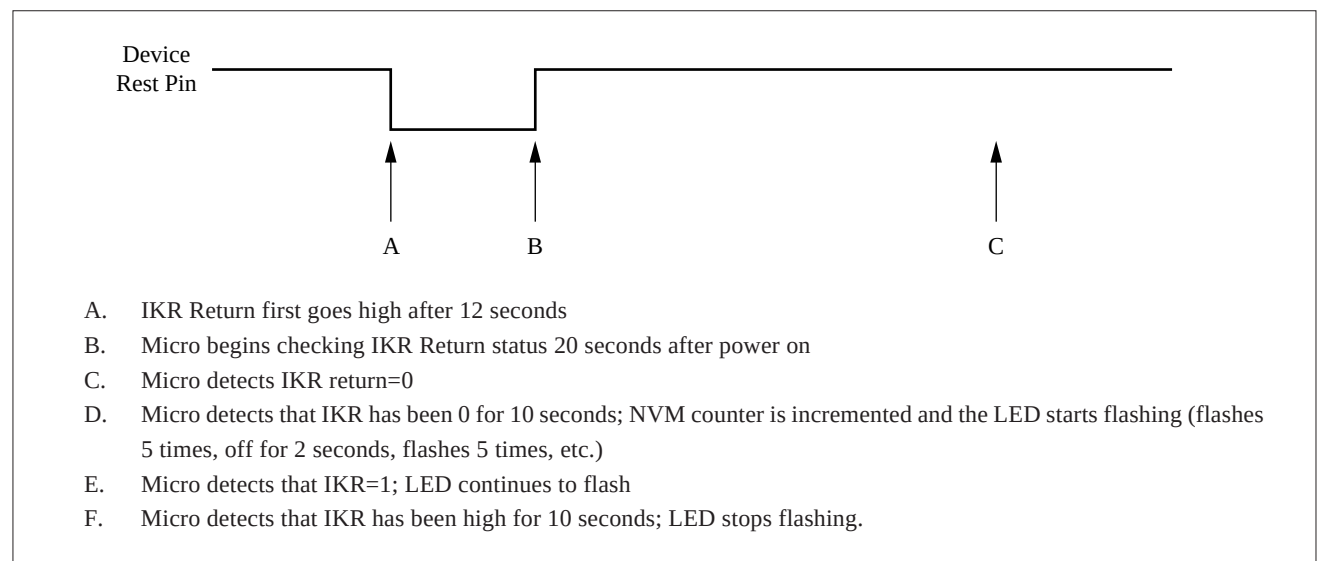
- 18 - No acknowledge from Jungle when attempting to initialize
- 19 - No acknowledge from Jungle when attempting to read registers
- 20 - AV Switch cannot complete reset during initialization
- 21 - No acknowledge from AV Switch when attempting to read registers
- 22 - No acknowledge from NVM when attempting to read or write

*If any of these errors are detected, the respective NVM register will be incremented and the software will carry on.*

### Compact Text Run-time Errors (Errors 25, 27, 32 & 33):

- 25 - M3L\_TXD pin low when checking register 81 (implies that no communication was possible)
- 27 - M3L\_TXD pin low when attempting to initialize (implies that no communication was possible)
- 32 - Compact Text RAM test fail during initialization of devices

*In the case of these errors, the 'device reset' pin will be held low for 60ms, causing a hardware reset of Compact Text. Following this reset, a longer timeout will be allowed for the M3L bus to recover. If the error still exists, the NVM register will be incremented and the software will carry on.*



- 33 - Register 81 check fail, but M3L\_TXD pin high (implies that Compact Text has either reset or become corrupted).

*In this case, the 'device reset' pin will be held low for 60ms, causing a hardware reset of Compact Text. Compact Text will then be re-initialized and the NVM counter updated. This is the same as for errors 26, 28 and 33 except that the M3L bus timeout is not changed. Also, during the reset, Compact Text OSD will be disabled (using pin 59 of the micro). Only when the sync registers have been refreshed twice, will the OSD be enabled.*

### MSP and DSP Run-time Errors (Errors 23 & 24):

Error 23 can be caused by any of the following:

- After MSP initialization, Scart Prescale Register check fail (implies that the MSP has either reset or become corrupted).
- MSP fails to acknowledge reset instruction
- Scart Prescale Register check fail (implies that the MSP has either reset or become corrupted).

Error 24 is caused by:

- DSP test byte corrupted (implies that the DSP has either reset or become corrupted).

*For both of these errors, the software will refresh the MSP and DSP registers. If the errors still exist, the NVM counter will be incremented, and the software will carry on.*

## Error Display Mode

Error Display Mode is entered by the following sequence of commands:

Standby → Information → Digit 5 → Volume Down → TV

This mode will display a special menu, which will list all possible errors and the number of occurrences of each error (0 – 255, as stored in the NVM). There will also be a display of the current error (00 if no error). This display mode will appear as follows:

| ERROR DISPLAY MODE      |             |            |             |
|-------------------------|-------------|------------|-------------|
| Current Error Code = 00 |             |            |             |
| Error Code              | Occurrences | Error Code | Occurrences |
| 2                       | 2           | 18         | 0           |
| 3                       | —           | 19         | 0           |
| 4                       | —           | 20         | 0           |
| 5                       | 0           | 21         | 0           |
| 6                       | 0           | 22         | 0           |
| 7                       | 0           | 23         | 0           |
| 8                       | 0           | 24         | 4           |
| 9                       | 0           | 25         | 5           |
| 10                      | 0           | 26         | 89          |
| 11                      | 0           | 27         | 3           |
| 12                      | 0           | 28         | 0           |
| 13                      | 0           | 29         | 0           |
| 14                      | 0           | 30         | 0           |
| 15                      | 3           | 31         | 0           |
| 16                      | 0           | 32         | 3           |
| 17                      | 0           | 33         | 38          |

Whilst in this mode, the number of occurrences of each error can be reset to 0 by TT08.

Only AC off or standby off can exit this mode.

The Current Error Code can also be read by using a TV Error Reader (I2C slave address 42H). This device simply receives 1 data byte, which is the error number in binary coded decimal form.

## TT command table

TT Mode is available by pressing the test key twice. It is exited by pressing 0 twice, or by pressing the Test key, or by pressing the TV key or by switching the set into standby.

Pressing the Menu key when in TT mode enters in main Test Menu. Pressing the Menu key again enters in the User Menus.

TT Modes 40-49 require TV to be in program 59 before the command is accepted. Some Test models are dependant upon the model.

| Code   | Function                                                                                                              |
|--------|-----------------------------------------------------------------------------------------------------------------------|
| <Menu> | Enter into Service Menu                                                                                               |
| 00     | Exit from TT mode                                                                                                     |
| 01     | Set Picture Level to Maximum                                                                                          |
| 02     | Set Picture Level to Minimum                                                                                          |
| 03     | Set Volume to 35% (41PX1/41PX1K)<br>Set Volume to 30% (41PX1R)                                                        |
| 04     | Set Volume to 50%                                                                                                     |
| 05     | Set Volume to 65%                                                                                                     |
| 06     | Set Volume to 80%                                                                                                     |
| 07     | Ageing Mode Enable / Disable                                                                                          |
| 08     | Shipping Condition                                                                                                    |
| 09     | Display TV Status (41PX1/41PX1K)<br>Reset Language Select Menu on Power Up (41PX1R)                                   |
| 11     | Sub Picture Adjustment (41PX1/41PX1K)<br>Clear & Disable OSD (41PX1R)                                                 |
| 12     | Sub Colour Adjustment (41PX1/41PX1K)<br>Enable OSD (41PX1R)                                                           |
| 13     | Sub Brightness Adjustment (41PX1/41PX1K)<br>Scart 16 : 9 Enable / Disable (41PX1R)                                    |
| 14     | Text H-Position Adjustment (41PX1/41PX1K)<br>Display TV Status (41PX1R)                                               |
| 15     | Picture Reset                                                                                                         |
| 17     | Headphones Volume by Pressing Arrows (41PX1/41PX1K)<br>Set All AV Labels to Default (41PX1R)                          |
| 18     | Set Volume to 20% (41PX1/41PX1K)<br>RGB Priority Enable / Disable (41PX1R)                                            |
| 19     | Factory Mode Toggle (41PX1/41PX1K)<br>Set All Program Labels to Default (41PX1R)                                      |
| 21     | Destination A/D (East Menu / West Text) (41PX1/41PX1K)<br>Sub Picture Adjustment (41PX1R)                             |
| 22     | Destination L (West Menu / West Text) (41PX1/41PX1K)<br>Sub Colour Adjustment (41PX1R)                                |
| 23     | Destination E ( West Menu / West Text) (41PX1/41PX1K)<br>Sub Brightness Adjustment (41PX1R)                           |
| 24     | Destination U (West Menu / West Text)                                                                                 |
| 25     | Destination D (East Menu / Greek Text)                                                                                |
| 26     | Destination AEP (East Menu / West Text / Greek Text) (41PX1/41PX1K)<br>Destination B (East Menu / West Text) (41PX1R) |
| 27     | Destination K (East Menu / East Text)                                                                                 |
| 28     | Destination R (Russian Menu / Russian Text) (41PX1/41PX1K)<br>Destination L (West Menu / West Text) (41PX1R)          |

| Code | Function                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------|
| 29   | No Function (41PX1/41PX1K)<br>Destination E (West Menu / West Text) (41PX1R)                                              |
| 31   | Toggle Auto Shutoff Disable (41PX1/41PX1K)<br>Destination A (East Menu / West Text) (41PX1R)                              |
| 32   | Toggle Bit Error Rate Display (41PX1/41PX1K)<br>Destination R (Russian Menu / Russian Text) (41PX1R)                      |
| 33   | Toggle Terminal Debug Mode (41PX1/41PX1K)<br>Sub Woofer Enable (41PX1R)                                                   |
| 34   | No Function (41PX1/41PX1K)<br>Sub Woofer Disable (41PX1R)                                                                 |
| 35   | No Function (41PX1/41PX1K)<br>Setup Trap Switch (41PX1R)                                                                  |
| 36   | No Function (41PX1/41PX1K)<br>Rotation Test (41PX1R)                                                                      |
| 37   | No Function (41PX1/41PX1K)<br>25" Set (41PX1R)                                                                            |
| 38   | No Function (41PX1/41PX1K)<br>25" Reset (41PX1R)                                                                          |
| 39   | Reserved for Dealer Commander (41PX1/41PX1K)<br>No Function (41PX1R)                                                      |
| 41   | Re-initialize NVM                                                                                                         |
| 42   | Re-initialize Geometry Settings (41PX1/41PX1K)<br>Default Program Info in NVM with Pencoed Factory Channel Cetup (41PX1R) |
| 43   | Default Program Info in NVM with Pencoed Factory Channel Setup (41PX1/41PX1K)<br>Default Geometry Settings (41PX1R)       |
| 44   | Default Favourite Pages to 100, 101, 102, 103                                                                             |
| 45   | Switch Off All Channel Locks                                                                                              |
| 46   | Reserved for Dealer Commander                                                                                             |
| 47   | Default MSP Settings                                                                                                      |
| 48   | Set NVM as Non-virgin (41PX1/41PX1K)<br>Restore NVM Test Byte Undo TT49 (41PX1R)                                          |
| 49   | Set NVM as Virgin (41PX1/41PX1K)<br>Delete NVM Test Byte Sets Virgin NVM (41PX1R)                                         |
| 51   | No Function (41PX1/41PX1K)<br>Text Interlace Odd (non interlace mode = 3) (41PX1R)                                        |
| 52   | No Function (41PX1/41PX1K)<br>Text Interlace Even (non interlace mode = 2) (41PX1R)                                       |
| 53   | No Function (41PX1/41PX1K)<br>Auto Picture ON (41PX1R)                                                                    |

| Code | Function                                                                                              |
|------|-------------------------------------------------------------------------------------------------------|
| 54   | No Function (41PX1/41PX1K)<br>Auto Picture OFF (41PX1R)                                               |
| 55   | No Function (41PX1/41PX1K)<br>Auto Cut Off Enable (41PX1R)                                            |
| 56   | Set Colour to Minimum and Picture to Maximum (41PX1/41PX1K)<br>Auto Cut Off Disable (41PX1R)          |
| 57   | Set Colour & Picture to Minimum and Adjust Sub Brightness (41PX1/41PX1K)<br>AV3 Enable (41PX1R)       |
| 58   | Set Picture Level to 50% (41PX1/41PX1K)<br>AV3 Disable (if TV Text) otherwise AV3 Enable (41PX1R)     |
| 59   | No Function (41PX1/41PX1K)<br>Auto IF Display (41PX1R)                                                |
| 61   | N Board Reset (41PX1/41PX1K)<br>Dolby Pro-logic ON (41PX1R)                                           |
| 62   | Toggle the 3.3 V Regulator on A2 Board (41PX1/41PX1K)<br>Noise Left (41PX1R)                          |
| 63   | Toggle Attenuation Switch on Port Expander (41PX1/41PX1K)<br>Noise Right (41PX1R)                     |
| 64   | Smart Link Test - Toggle the Smart Link Pin 50 Times (41PX1/41PX1K)<br>Noise Centre (41PX1R)          |
| 65   | Active Standby Setup (41PX1/41PX1K)<br>Noise Surround (41PX1R)                                        |
| 66   | Restart Digicon (41PX1/41PX1K)<br>DSP Bypass (41PX1R)                                                 |
| 67   | Save Geometry (41PX1/41PX1K)<br>No Function (41PX1R)                                                  |
| 68   | Pre-set AV Labels (41PX1/41PX1K)<br>Diagnostics OFF (41PX1R)                                          |
| 69   | Toggle Partial Digital Off-flag (41PX1/41PX1K)<br>Diagnostics ON (41PX1R)                             |
| 71   | Select Compact Text / Compact Text-2 (41PX1/41PX1K)<br>LumiSponder Curve 1 (41PX1R)                   |
| 72   | Balance Left / Right (◀ : Left, ▶ : Right, ▲ : Center) (41PX1/41PX1K)<br>LumiSponder Curve 2 (41PX1R) |
| 73   | Dual Sound Headphones (▲ : A, ▼ : B) (41PX1/41PX1K)<br>Jungle Select (CXA2000 or CXA2076) (41PX1R)    |
| 74   | Dual Sound Speakers (▲ : A, ▼ : B) (41PX1/41PX1K)<br>Text H-Position Adjustment (41PX1R)              |
| 75   | Switch Main Speakers / Center (41PX1/41PX1K)<br>Picture Reset (41PX1R)                                |
| 76   | Dolby Enable / Disable Toggle (41PX1/41PX1K)<br>MSP BG Filter Enabled (41PX1R)                        |
| 77   | Setup Trap Switch (41PX1/41PX1K)<br>Sound Reset (41PX1R)                                              |

| Code | Function                                                                                                      |
|------|---------------------------------------------------------------------------------------------------------------|
| 78   | Set Screen Size (41PX1/41PX1K)<br>MSP BG Filter Disabled (41PX1R)                                             |
| 79   | Wide Setup                                                                                                    |
| 81   | Velocity Modulation ON                                                                                        |
| 82   | Velocity Modulation OFF                                                                                       |
| 83   | Special Picture Mode (41PX1/41PX1K)<br>Picture Rise Step 40ms (41PX1R)                                        |
| 84   | Text Interlace Odd (non interlace mode=3) (41PX1/41PX1K)<br>Picture Rise Step 80ms (41PX1R)                   |
| 85   | Text Interlace Even (non interlace mode=2) (41PX1/41PX1K)<br>Picture Rise Step 160ms (41PX1R)                 |
| 86   | Auto Cut Off Enable (41PX1/41PX1K)<br>Picture Rise OFF (41PX1R)                                               |
| 87   | Auto Cut Off Disable (41PX1/41PX1K)<br>Select Shop Mode (41PX1R)                                              |
| 88   | Diagnostics OFF (41PX1/41PX1K)<br>Compact Text Acquisition Disable (41PX1R)                                   |
| 89   | Diagnostics ON (41PX1/41PX1K)<br>Compact Text Acquisition Eable (41PX1R)                                      |
| 91   | Clear & Disable OSD (41PX1/41PX1K)<br>Sound Center Mode NORMAL (41PX1R)                                       |
| 92   | Eable OSD (41PX1/41PX1K)<br>Sound Center Mode WIDE (41PX1R)                                                   |
| 93   | D / K Nicam Eable (41PX1/41PX1K)<br>Sound Center Mode PHANTOM (41PX1R)                                        |
| 94   | D / K Nicam Disable (41PX1/41PX1K)<br>Toggle Compact Text Acquisition Delay Bit 0 (41PX1R)                    |
| 95   | Reset Language Select Menu on Power Up (41PX1/41PX1K)<br>Toggle Compact Text Acquisition Delay Bit 1 (41PX1R) |
| 96   | Set All Program Labels to Default (41PX1/41PX1K)<br>Toggle Compact Text Acquisition Delay Bit 2 (41PX1R)      |
| 97   | Toggle MHEG Mode (41PX1/41PX1K)<br>Toggle Compact Text Acquisition Delay Bit 3 (41PX1R)                       |
| 98   | No Function (41PX1/41PX1K)<br>Toggle Compact Text Acquisition Delay Bit 4 (41PX1R)                            |
| 99   | No Function (41PX1/41PX1K)<br>Set Test Menu (41PX1R)                                                          |

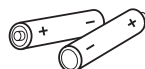
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

## Getting Started - Overview

### Checking the Accessories Supplied



One Remote Control (RM-892)

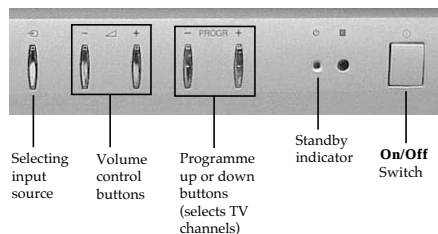


Two batteries (R6 type)

### Overview of Projection TV Buttons



Push up the flap on the front of the projection TV to reveal the front panel.



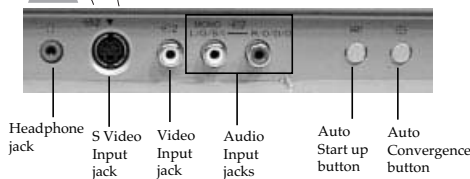
Selecting input source

Volume control buttons

Programme up or down buttons (selects TV channels)

Standby indicator

On/Off Switch



Headphone jack

S Video Input jack

Video Input jack

Audio Input jacks

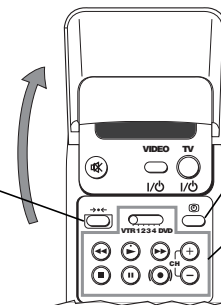
Auto Start up button

Auto Convergence button

## SECTION 2 GENERAL

## Getting Started - Overview

### Overview of Remote Control Buttons



This button does not work on this set.

#### Displaying the time

Press to switch the time on or off (available only when teletext is broadcast).

#### VCR operation

For more details, please refer to the section "Remote Control of other Sony Equipment".

#### Muting the Sound

Press to mute TV sound. Press again to restore the sound.

#### VCR on/off

Press to switch your VCR on or off.

#### Selecting TV mode

Press to switch off Teletext or video input.

#### Selecting Teletext

Press to switch on Teletext.

These buttons do not work on this set.

#### Selecting channels

Press to select channels.

For double-digit programme numbers, e.g. 23, press +/- first, then the buttons 2 and 3. If you enter an incorrect first digit, this should be corrected by entering another digit (0-9) and then selecting +/- button again to enter the programme number of your choice.

#### Selecting Sound mode

Press repeatedly to change the sound mode.

#### Selecting Picture mode

Press repeatedly to change the picture mode.

#### Adjusting TV Volume

Press to adjust the volume of the TV.

#### To Temporarily Switch Off projection TV

Press to temporarily switch off TV (the standby indicator on the set lights up in red). Press again to switch on TV from standby mode. To save energy we recommend switching off completely when TV is not in use.

After 15-30 minutes without a signal and without any button being pressed, the set switches automatically into standby mode.

#### Displaying On Screen Information

Press to display all on-screen indications. Press again to cancel.

#### Selecting input source

Press repeatedly until the desired input symbol of the source appears on the screen.

#### Back to the channel last watched

Press to watch the last channel selected (watched for at least 5 seconds).

#### Selecting Screen format

Press repeatedly to change the format of the screen (for more details, please refer to the section "Changing the Screen format").

This button only works in Teletext mode. Function associated to this button does not work with this set.

#### Joystick for menu selection

▲ Scroll Up  
▼ Scroll Down  
◀ Previous menu or selection  
▶ Next menu or selection  
OK Confirms your selection

#### Selecting channels

Press to select the next or previous channel.

#### Displaying the menu system

Press to display the menu on the screen. Press again to remove the menu display from the screen.

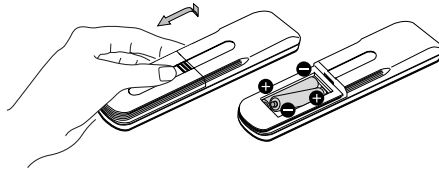
Besides TV functions, all coloured buttons as well as green symbols are also used for Teletext operation. For more details, please refer to the "Teletext" section of this instruction manual.

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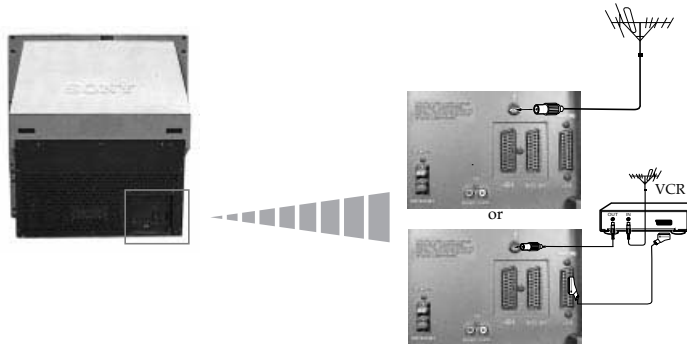
## Getting Started - Installation

### Inserting Batteries into the Remote Control

-  Make sure you insert the batteries using the correct polarities.  
Always remember to dispose of used batteries in an environmental friendly way.

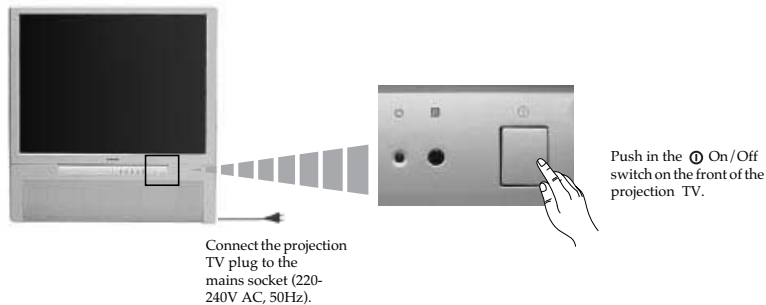


### Connecting the Aerial and VCR



-  The Scart lead is optional.  
If you use this optional connection it can improve picture and sound quality when using a VCR.
-  If you do not use a SCART lead, after automatically tuning the projection TV refer to the "Manually Tuning the TV" section of this instruction manual, to the tune in the set to the output of your VCR. Also refer to your VCR instruction manual to find out how to find the output channel of your VCR.

### Switching on the projection TV



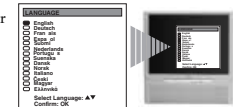
## Getting Started - First Time Operation

### Selecting Language

-  Use this function to change the language of the menu screens.  
The first time that you switch on your projection TV, the Language menu appears automatically.  
However, if you need to change the language menu afterwards, select the menu Language in the  (PRESET) menu and proceed in the same way as described below.

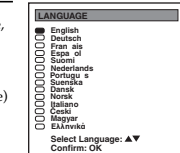


- 1** Press the  on/off button on your projection TV set to switch on your TV. The first time you press the on/off button on your TV set, the language menu displays automatically on the TV screen.



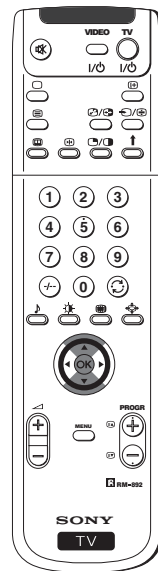
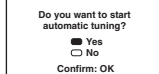
- 2** Push the joystick on the remote control  or  to select the language, then press **OK** to confirm your selection.

-  If you select "French" language, the "Auto Tuning" process will start searching TV channels on "L" TV system (for France) and later B/G.



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-  The Auto Tuning menu appears on the projection TV screen in the selected language.



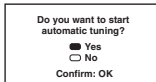
## Getting Started - First Time Operation

### Automatically Tuning the TV using the Remote Control

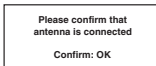
- i** You need to tune the set to receive channels (TV Broadcast). By following the instructions below, this projection TV automatically searches and stores all available channels for you.
- After having selected the language, a new menu appears automatically on the projection TV screen asking you to automatically tune the TV. However, if you need to change or repeat the tuning afterwards (e.g. when you move house), select the menu Auto Programme in the **PRESET** menu and proceed in the same way as described below or, please refer to the section "Automatically Tuning the TV" of this instruction manual.



- 1** Press the **OK** button on the remote control to select **YES**. A new menu appears automatically on the screen asking you to check that the antenna is connected.

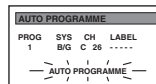


- 2** Confirm that the antenna is connected and then press the **OK** button.

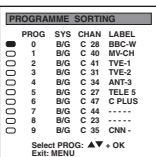


- i** The automatic tuning starts and the message "AUTO PROGRAMME" flashes on the screen.

- A** This procedure could take some minutes. Please, be patient and do not press any button, otherwise the automatic tuning will not be completed.



- When the automatic tuning is finished, the Programme Sorting menu appears on the screen.**



- Notes:**
- To stop the automatic tuning, press the **MENU** button.
  - If you stop the automatic tuning by pressing the **MENU** button, the Programme Sorting menu does not appear automatically on the screen.



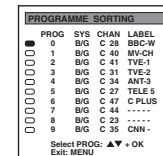
## Getting Started - First Time Operation

### Changing the Programme Order of the TV channels

- i** After all available channels (TV Broadcast) are captioned and stored, a new menu appears automatically on the screen to change the order in which the channels appear on the screen.
- However, if you wish to rearrange the order of the channels afterwards, select the menu Programme Sorting in the **PRESET** menu and proceed in the same way as described in the b) section of this chapter.

#### a) If you do not wish to change the channel order:

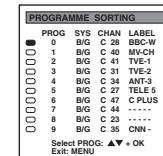
- 1** Press the **MENU** button on the remote control to exit and return to the normal TV screen.



- When the automatic tuning is finished, the Programme Sorting menu appears on the screen.**

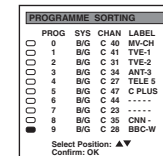
#### b) If you wish to change the channel order:

- 1** Push the joystick on the remote control to **▼** or **▲** to select the programme number with the channel (TV Broadcast) you wish to rearrange, then press **OK**.



- 2** Push the joystick to **▼** or **▲** to select the new programme number position for your selected channel (TV Broadcast), then press **OK**.

- i** The selected channel now moves to its new programme position and the other channels move accordingly.



- 3** Repeat steps 1 and 2 if you wish to change the order of the other channels.

- 4** Press the **MENU** button to exit and return to the normal TV screen.

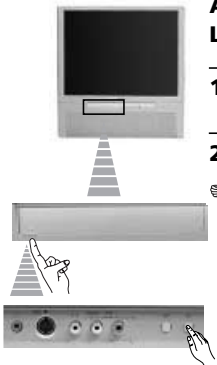
- Your projection TV is now ready for use.**

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## Getting Started - First Time Operation

### Adjusting Colour Registration (Convergence)

Due to the earth's magnetism, the picture might become undefined and you could see different colours on the outlines of the images. In that case, proceed as follows:



#### Auto converge the Red, Green, and Blue Lines

1 Push up the flap on the front of the projection TV to reveal the front control panel.

2 Press button on the projection TV.

The Auto Convergence function works for about 30 seconds. When the white cross disappears from the screen, your projection TV is ready for use.

#### Notes:

The Auto Convergence function does not work:

- when no signal is input.
- when the input signal is weak.
- when the screen is exposed to spotlights or direct sunlight.
- when you watch the teletext broadcast.

#### If you wish a more accurate convergence adjustment

1 Press the **MENU** button on the remote control to display the menu on the screen.

2 Push the joystick to to select the symbol then push to to enter to the **PRESET** menu.

3 Push the joystick to or or 4 to select Convergence, then push to .

4 Push the joystick to or to select "the line" (vertical and horizontal lines in red and blue) you want to adjust.

- : red vertical line (left/right adjustment)
- : red horizontal line (up/down adjustment)
- : blue vertical line (left/right adjustment)
- : blue horizontal line (up/down adjustment)

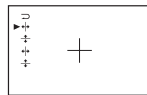
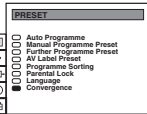
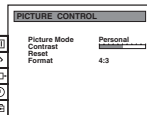
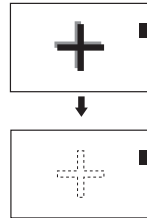
Then press the **OK** button.

5 Push the joystick repeatedly to , , or to converge the selected line with the green line in the centre, then press **OK** to confirm.

6 Repeat steps 4 and 5 to adjust the other lines, until all the lines have overlapped to form a white cross.

7 Press the **MENU** button to exit and return to the normal TV screen. Your projection TV is ready for use.

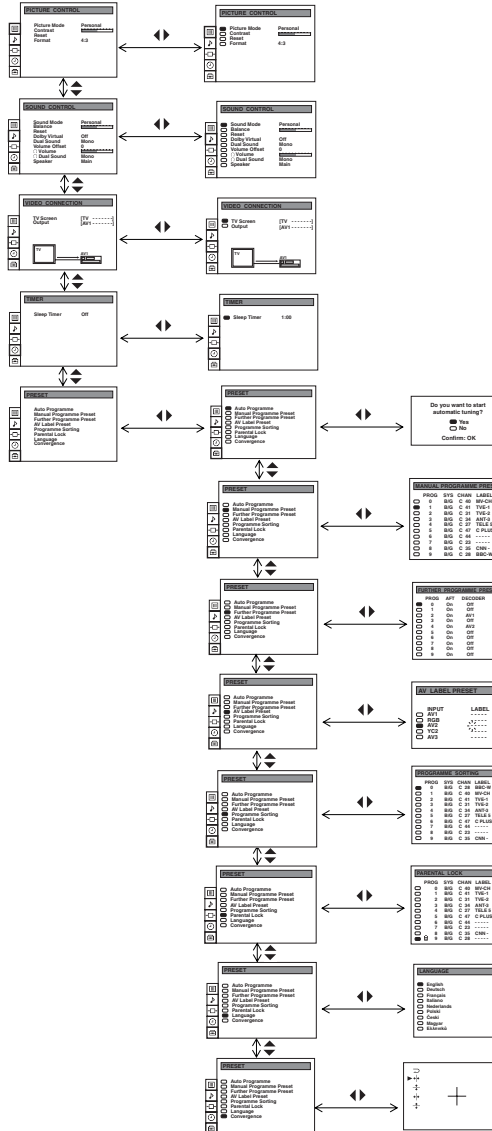
Your projection TV is ready for use.



## Getting Started - First Time Operation

### Adjusting Colour Registration (Convergence)

Press the **MENU** button on the remote control to display the menu on the screen.



(For different adjustments, please refer to the section "Adjusting the Picture")

(For different adjustments, please refer to the section "Adjusting the Sound")

(For more details, please refer to the section "Selecting the output source for the Euro AV connectors")

(For more details, please refer to the section "Using the Sleep Timer")

(For more details, please refer to the section "Automatically Tuning the TV using the Remote Control")

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(For more details, please refer to the section "Manually Tuning the TV")

(For more details, please refer to the section "Using the Further Programme Preset function")

(For more details, please refer to the section "Using the AV Label Preset function")

(For more details, please refer to the section "Changing the Programme Order of the TV channels")

(For more details, please refer to the section "Locking Programmes")

(For more details, please refer to the section "Selecting Language")

(For more details, please refer to the section "Adjusting Colour Registration Convergence")

## Advanced Operation - Advanced Presetting

### Automatically Tuning the TV

- 1 Besides the explanation in the section "Automatically Tuning the TV using the Remote Control", by following the instructions below, this projection TV also searches and stores automatically all available channels using just one button of the projection TV set and one button of the remote control.



- 1 Push up the flap on the front of the projection TV to reveal the front control panel.

- 2 Press and hold in the button on the TV set for some seconds, until a menu appears automatically on the screen asking you to check that antenna is connected.

- 3 Confirm that the antenna is connected and then press the **OK** button on the remote control.

- 1 The automatic tuning starts and the message "AUTO PROGRAMME" flashes on the screen.

- 2 This procedure could take some minutes. Please, be patient and do not press any button, otherwise the automatic tuning will not be completed.

- 3 When the automatic tuning procedure is complete, the Programme Sorting menu appears on the screen:
- If you do not wish to change the channel order, press the **MENU** button on the remote control to exit and return to the normal TV screen.
  - If you wish to change the channel order, proceed in the same way as described in the chapter "Changing the Programme Order of the TV channels", section b).

**Note:** To stop the automatic tuning, press the **MENU** button on the remote control.

Please confirm that antenna is connected  
Confirm: OK

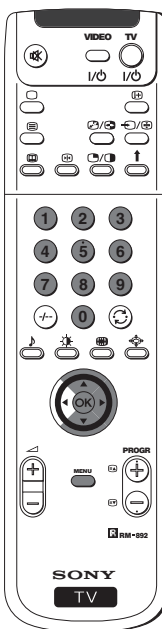
Please confirm that antenna is connected  
Confirm: OK

AUTO PROGRAMME  
PROG SYS CH LABEL  
1 B/G C 28 .....  
--- AUTO PROGRAMME ---

## Advanced Operation - Advanced Presetting

### Manually Tuning the TV

- 1 Use this function to preset channels or a video input source one by one to the programme order of your choice.



- 1 Press the **MENU** button on the remote control to display the menu on the screen.

- 2 Push the joystick to to select the symbol, then push to to enter to the **PRESET** menu.

- 3 Push the joystick to or to select **Manual Programme Preset**, then push to .

- 4 Push the joystick to or to select on which programme number you want to preset a channel, then push to .

- 5 Push the joystick to or to select the TV Broadcast system (B/G for western european countries, D/K for eastern european countries, L for France or I for United Kingdom) or a video input source (AV1, AV2...), then push to .

- 6 Push the joystick to or to select the channel tuning, "C" for terrestrial channels or "S" for cable channels, then push to .

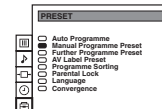
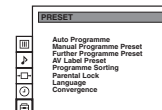
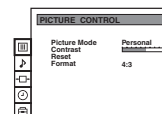
- 7 Press the number buttons to enter the channel number of the TV Broadcast or push the joystick to or to search for the next available channel.  
If you do not wish to store this channel, push the joystick to or to continue searching for the desired channel.

- 8 If this is the desired channel you wish to store, press the **OK** button.

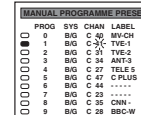
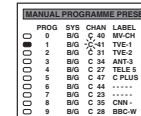
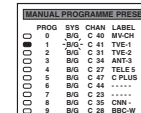
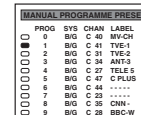
- 9 Repeat steps 4 to 8 if you wish to store more channels.

- 10 Press the **MENU** button to exit and return to the normal TV screen.

3 Your projection TV is now ready for use.



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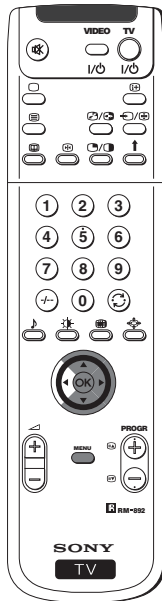


## Advanced Operation - Advanced Presetting

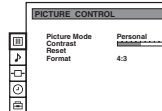
### Using the "Further Programme Preset" function

**i** With this feature you can:

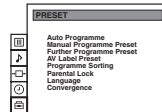
- Even normally the automatic fine tuning (AFT) is operating, however you can manually fine-tune the TV to obtain a better picture reception if the picture is distorted or
- preset the AV3 output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR records the unscrambled signal.



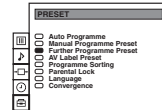
**1** Press the **MENU** button on the remote control to display the menu on the screen.



**2** Push the joystick to **▼** to select the **PRESET** symbol, then push to **▶** to enter to the **PRESET** menu.



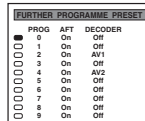
**3** Push the joystick to **▼** or **▲** to select **Further Programme Preset**, then push to **▶**.



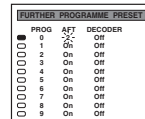
**4** Push the joystick to **▼** or **▲** to select the relevant programme number, then push to **▶** repeatedly to select:

- AFT** or
- DECODER**.

The selected item changes colour.



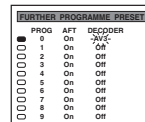
**5** a) **AFT**  
Push the joystick to **▼** or **▲** to fine tune the channel frequency over a range of -15 to +15, then press the **OK** button.  
Repeat steps 4 and 5a) if you wish to fine tune other channels.



b) **DECODER**

Push the joystick to **▼** or **▲** to select **AV3** and press the **OK**.

**i** The picture from the decoder connected to the Euro AV 3 on the back of the projection TV will appear on this programme number.  
Repeat steps 4 and 5b) to preset the AV3 output for other programme positions.



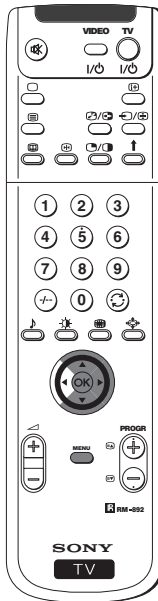
**6** Press the **MENU** button to exit and return to the normal TV screen.

**i** Your projection TV is now ready for use.

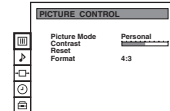
## Advanced Operation - Advanced Presetting

### Locking Programmes

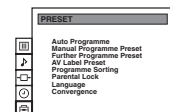
**i** This feature enables you to prevent undesirable broadcasts appearing on the screen. We suggest you use this function to prevent children from watching programmes you consider unsuitable.



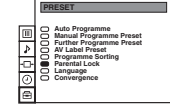
**1** Press the **MENU** button on the remote control to display the menu on the screen.



**2** Push the joystick to **▼** to select the **PRESET** symbol, then push to **▶** to enter to the **PRESET** menu.

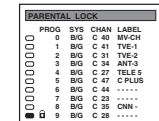


**3** Push the joystick to **▼** or **▲** to select **Parental Lock**, then push to **▶**.



**4** Push the joystick to **▼** or **▲** to select the programme number with the channel you wish to block, then press the **OK** button.

**i** The **i** symbol appears before the programme position to indicate this programme is now blocked.  
To unblock the programme, press the OK button again. The **i** symbol disappears.



**5** Repeat step 4 if you wish to block other channels.

**6** Press the **MENU** button to exit and return to the normal TV screen.

**i** When you select a blocked programme the screen appears in black, with **i** symbol.

GB

## Advanced Operation - Advanced Presetting

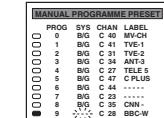
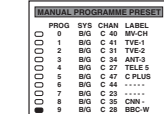
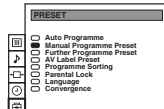
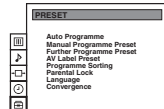
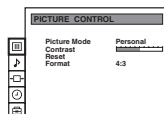
### Skipping Programme positions

- ① You can programme this projection TV to skip any unwanted programme numbers when they are selected with the **PROGR** +/- buttons. To cancel this function afterwards, proceed in the same way as described below by selecting the appropriate TV system (B/G, D/K, L or I) instead of "-" in step 5.



- 1 Press the **MENU** button on the remote control to display the menu on the screen.
- 2 Push the joystick to ▼ to select the symbol, then push to ► to enter to the **PRESET** menu.
- 3 Push the joystick to ▼ or ▲ to select **Manual Programme Preset**, then push to ►.
- 4 Push the joystick to ▼ or ▲ to select the programme position you want to skip, then push to ► to enter to the **SYS** column.
- 5 Push the joystick to ▼ to select "-", then press the **OK** button to store.
- 6 Repeat steps 4 and 5 to skip other unused programme positions.
- 7 Press the **MENU** button to exit and return to the normal TV screen.

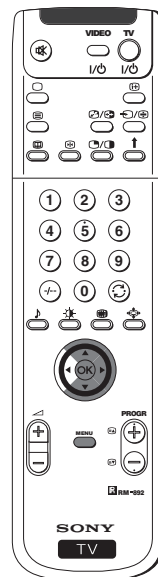
ⓘ When changing channels (TV Broadcasts) with the **PROGR** +/- buttons, the skipped programme positions do not appear. You can, however, still select them using the number buttons.



## Advanced Operation - Advanced Presetting

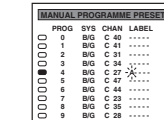
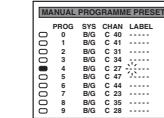
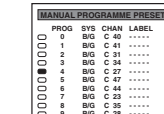
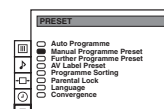
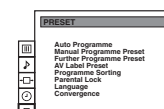
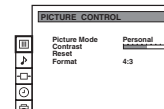
### Labelling a channel

- ① Names for channels (TV Broadcasts) are usually taken automatically from Teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers). Using this function, you can easily identify which channel (TV Broadcasts) or video source you are watching.



- 1 Press the **MENU** button on the remote control to display the menu on the screen.
- 2 Push the joystick to ▼ to select the symbol, then push to ► to enter to the **PRESET** menu.
- 3 Push the joystick to ▼ or ▲ to select **Manual Programme Preset**, then push to ►.
- 4 Push the joystick to ▼ or ▲ to select the programme number with the channel you wish to name.
- 5 Push the joystick to ► repeatedly until the first element of the **LABEL** column is highlighted.
- 6 Push the joystick to ▼ or ▲ to select a letter or number (select "-" for a blank), then push to ► to confirm this character. Select the other four characters in the same way.
- 7 After selecting all the characters, press the **OK** button.
- 8 Repeat steps 4 to 7 if you wish to label other channels.
- 9 Press the **MENU** button to exit and return to the normal TV screen.

ⓘ When you select a named channel, the name appears for a few seconds on the screen.



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## Advanced Operation - Advanced TV Operation

### Adjusting the Picture

Although the picture is adjusted at the factory, you can modify it to suit your own taste.



**1** Press the **MENU** button on the remote control to display the menu on the screen.

**2** Push the joystick **▶** to enter the **PICTURE CONTROL** menu.

**3** Push the joystick to **▼** or **▲** to select the item you wish to change, then push to **▶**. Refer to the table below to choose the item and for the effect of each control:

**Picture Mode ▶ Picture Mode ▶ Personal** (for individual settings)  
**▶ Movie** (for films)  
**▶ Live** (for live broadcast programmes)

**▼ Brightness\*** ◀ Darker ▶ Brighter

**▼ Colour\*** ◀ Less ▶ More

**▼ Sharpness\*** ◀ Softer ▶ Sharper

**▼ Hue\*\*** ◀ Greenish ▶ Reddish

**Contrast** ◀ Less ▶ More

**Reset** Resets picture to the factory preset levels.

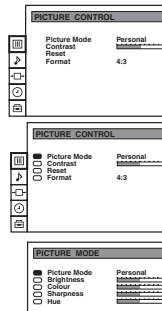
**Format** (for details refer to the section "Changing the Screen Mode")

\* Can only be altered if Personal Picture Mode is selected.  
 \*\* Only available for NTSC colour signal (e.g. USA video tapes).

**4** Push the joystick to **◀** or **▶** to alter the selected item, then press the **OK** button to store the new adjustment.

**5** Repeat steps 3 and 4 to alter the other items.

**6** Press the **MENU** button to exit and return to the normal TV screen.

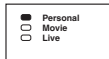


### Changing the Picture Mode Quickly

You can quickly change the Picture Mode without entering the Picture Control menu screen.

**1** Press the button on the remote control to directly access the Picture Mode.

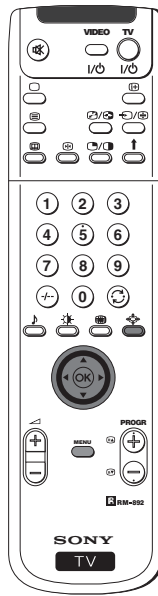
**2** Push the joystick to **▼** or **▲** to select your desired picture mode (**Personal**, **Movie** or **Live**), then press the **OK** button to remove the display from the screen.



## Advanced Operation - Advanced TV Operation

### Changing the screen mode

Using this Screen Mode feature you can change the aspect ratio of the screen.



**1** Press the **MENU** button on the remote control to display the menu on the screen.

**2** Push the joystick to **▶** button to enter the **PICTURE CONTROL** menu.

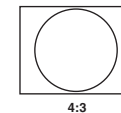
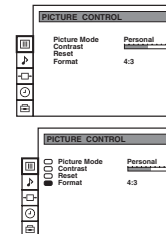
**3** Push the joystick to **▼** to select **Format**.

**4** Push the joystick to **▶** repeatedly to select:

- **4:3**: conventional 4:3 picture.
- **16:9**: for 16:9 broadcasts.

Press the **OK** button.

**5** Press the **MENU** button to exit and return to the normal TV screen.



4:3



16:9

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### Changing the Picture Mode Quickly

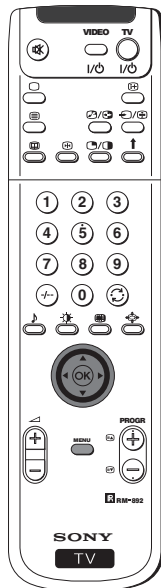
You can quickly change the Picture Mode without entering the Picture Control menu screen.

**1** Press the button on the remote control repeatedly to select your desired format screen mode (**4:3** or **16:9**).

## Advanced Operation - Advanced TV Operation

### Adjusting the Sound

**i** Although the sound is adjusted at the factory, you can modify it to suit your own taste.



**1** Press the **MENU** button on the remote control to display the menu on the screen.

**2** Push the joystick to **▼** to select the **▶** symbol, then push to **▶** to enter to the **SOUND CONTROL** menu.

**3** Push the joystick **▼** or **▲** to select the item you wish to change, then push to **▶**.  
Refer to the table below to chose the item and for the effect of each control.

**Sound Mode** ▶ **Mode** ▶ Personal (for individual settings)  
▶ Rock  
▶ Jazz  
▶ Pop

▼ **Treble\*** ◀ Less ▶ More

▼ **Bass\*** ◀ Less ▶ More

**Balance** ◀ Left ▶ Right

**Reset** ☺ Resets sound to the factory preset levels.

**Dolby\*\* Virtual** ▶ Off: Normal  
▶ On: Simulates the sound effect of Dolby Pro Logic surround.

**Dual Sound**

- For a stereo broadcast:  
▶ Mono  
▶ Stereo
- For a bilingual broadcast:  
▶ Mono (for mono channel if available)  
▶ A (for channel 1)  
▶ B (for channel 2)

**Volume Offset** ◀ -12 ..... ▶ +12  
The channel volume level can be adjusted over a range of -12 to +12.

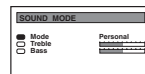
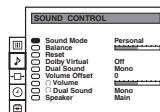
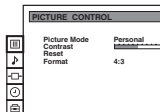
**Headphones:**  
🔊 **Volume** ◀ Less ▶ More

🔊 **Dual Sound**

- For a stereo broadcast:  
▶ Mono  
▶ Stereo
- For a bilingual broadcast:  
▶ Mono (for mono channel if available)  
▶ A (for channel 1)  
▶ B (for channel 2)

**Speaker** ▶ **Main:** sound from projection TV set  
▶ **Centre in:** sound from external amplifier

\* Can be only altered if "Personal" mode is selected.



## Advanced Operation - Advanced TV Operation

**4** Push the joystick **◀** or **▶** to alter the selected item, then press the **OK** button to store the new adjustment.

**5** Repeat steps 3 and 4 to alter the other items.

**6** Press the **MENU** button to exit and return to the normal TV screen.

**i** \*\* This TV has been designed to create "Dolby Surround" sound effect simulating the sound of four speakers with two speakers, in case the broadcasted audio signal is a Dolby Surround encoded programme. Besides that, the sound effect can also be improved by connecting your external amplifier (for details refer to "Connecting to external audio Equipment" on page 27).

\*\* Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol **DD** are trademarks of Dolby Laboratories.

### Changing Sound Mode Quickly

**i** You can quickly change Sound mode without entering the Sound Control menu screen.

**1** Press the **▶** button on the remote control to directly access to the Sound Mode.

**2** Push the joystick to **▼** or **▲** to select your desired sound mode (**Personal**, **Rock**, **Jazz** or **Pop**), then press the **OK** button to remove the display from the screen.



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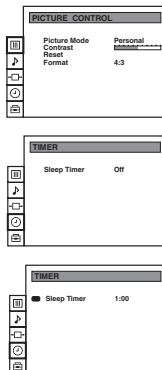
## Advanced Operation - Advanced TV Operation

## Using the Sleep Timer

 This function provides an overview of some of the features available on this set.



- 1 Press the **MENU** button on the remote control to display the menu on the screen.
- 2 Push the joystick to ▼ button to select the ⊖ symbol, then push to ► to enter to the **TIMER** menu.
- 3 Push the joystick to ►, then push to ◀ or ▶ repeatedly to set the time period delay  
  
Off ► 0:30 ► 1:00..... 4:00 hours
- 4 Press the **OK** button.
- 5 Press the **MENU** button to exit and return to the normal TV screen.



👍 One minute before the projection TV switches into standby mode, the indication "0:01" is displayed on the screen automatically.

- Notes:**
- When watching the TV, press the **⏮** button on the remote control to display the time remaining.
  - To return to normal operation from standby mode, press the **TV/⏻** button on the remote control.

**Teletext**

## Viewing Teletext

 Teletext is an information service transmitted by most TV stations.

 Make sure to use a TV channel with a strong signal, otherwise teletext errors may occur.

## Selecting Teletext

- 1 Select the TV channel which carries the teletext service you wish to view.
- 2 Press the  button on the remote control to switch on the teletext.
- 3 Input three digits for the page number, using the numbered buttons on the remote control. (if you have made a mistake, type in any three digits and then, re-enter the correct page number).
- 4 Press the  button to switch off teletext.



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## Using other Teletext functions

| TO                                                      | PRESS THE BUTTON                                                                                                                                                                                                   |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Access the next or preceding page                       |  for next page or<br> for the preceding page |
| Superimpose teletext on to the TV                       | <br>Press  again to cancel teletext mode.    |
| Freeze a teletext page                                  | <br>Press  again to cancel the freeze.   |
| Reveal concealed information<br>(e.g. answer to a quiz) | <br>Press  again to cancel.              |



## Using Fasttext

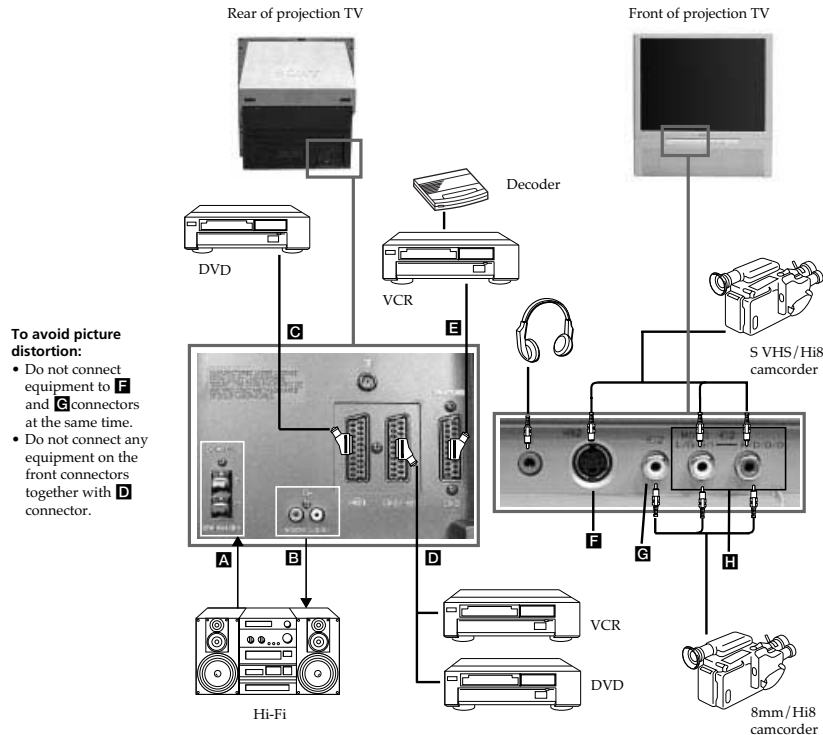
 Fasttext lets you access pages with one button stroke.

When Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the colour button (red, green, yellow or blue) on the remote control to access the corresponding page.

## Optional Connections

### Connecting Optional Equipment

Using the following instructions, you can connect a wide range of optional equipment to your projection TV.



#### Acceptable input signal

- A** Centre speaker input.  
Set "Speaker" on the SOUND CONTROL menu to "Centre in".
- B** No inputs
- C** Audio/video and RGB signal
- D** Audio/video and S video signal
- E** Audio/video signal

- F** S Video signal
- G** Video signal
- H** Audio signal

#### Available output signal

- No outputs
- Audio signal.
- Video/audio displayed on TV tuner.
- Video/audio from selected source.
- Video/audio from selected source (the same output source as the **G** 2/ **H** 2 connector)
- No output.
- No output.
- No output.

## Optional Connections

### Using Optional Equipment

#### Additional Information when connecting equipment

##### Connecting a VCR

We recommend you connect your VCR to the **D** or **E** socket using a scart lead. If you do not have a scart lead, use the "Manually Tuning the TV" section of this instruction manual to tune in the VCR signal to TV programme number "0". If your video supports Smartlink please refer the "Smartlink" section of this instruction manual.

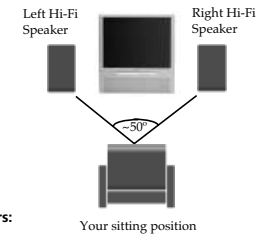
##### Connecting to External Audio Equipment

##### 1 To listen to the audio of your projection TV on the Hi-Fi equipment:

Plug in your Dolby Prologic system decoder amplifier to the **B** sockets on the rear of the projection TV if you wish to amplify the audio output from the TV.  
The output level from **B** sockets can be varied by adjusting the volume of the headphones. Refer to the "Adjusting the sound" section of this instruction manual to adjust the volume of the headphones.

##### To enjoy "Dolby Virtual" sound effect through your Hi-Fi equipment:

Place the speakers of your equipment in front of your sitting place and besides the TV set but keeping a distance of 50 cm from each speaker to the TV set.  
Then by using the menu system, select the menu "Sound Control" and set "Dolby Virtual" to "On".



GB

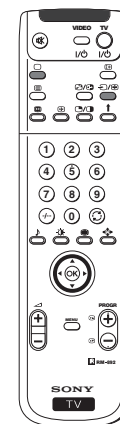
##### 2 To listen to the Dolby amplifier equipment on the projection TV speakers:

Plug in your Hi-Fi equipment to the **A** socket on the rear of the projection TV if you wish to listen to the audio output from your Hi-Fi on the projection TV speaker. If you have a Dolby amplifier, connect the centre output from your amplifier to the **A** socket to use the projection TV as a centre speaker. Refer to the "Adjusting the Sound" section of this instruction manual and set the option "Speaker" to "Centre in".

##### For mono equipment

Connect the phono plug to the L/G/S/I socket on the front of the TV and select the **2** input signal using the instructions on this page below.

#### Select and View the Input Signal



**1** Connect your equipment to the designated projection TV socket, as it is indicated on the previous page.

**2** Switch on the connected equipment.

**3** Press the **2** button repeatedly on your remote control until the correct input symbol appears on the screen.

##### Symbol Input signals

- 1** Audio/video input signal through the Euro AV connector **C**
- 2** RGB input signal through the Euro AV connector **C**
- 3** Audio/Video input signal through the Euro AV connector **D** or the phono sockets **H** and **G**.
- 4** Audio/S Video input signal through the Euro AV connector **D** or the sockets **H** and **G**.
- 5** Audio/Video input signal through the Euro AV connector **E**.

**4** To return to the normal TV picture, press the **0** button on the remote control.

## Optional Connections

### Smartlink

① Smartlink is a direct link between your projection TV set and a VCR.

#### For Smartlink you need:

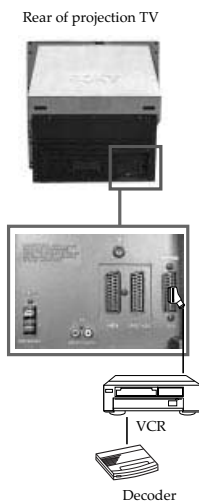
- A VCR which supports Smartlink, NextView Link, Easy Link or Megalogic.
- Megalogic is a trademark of Grundig Corporation.  
EasyLink is a trademark of Philips Corporation.
- A fully-wired 21 pin SCART cable to connect your VCR to the Euro AV connector ③-3 (SMARTLINK) on the rear of the Projection TV.

#### The features of Smartlink are:

- Tuning information such as the channel overview are downloaded from the Projection TV set to the VCR.
- Direct projection TV recording: While watching TV you need to press just one button on the VCR to record this programme.
- Projection TV in standby mode: Press the "Play ►" button on your VCR to switch the TV automatically on.

⚠ If you have connected a decoder to a VCR which supports Smartlink feature, select the menu Further Programme Preset in the  (PRESET) menu and select **DECODER AV3** to each codified channel. For more details, please refer to the section "Using the Further Programme Preset function" of this instruction manual.

⚠ For more information on Smartlink, please refer to the Instruction Manual of your VCR.



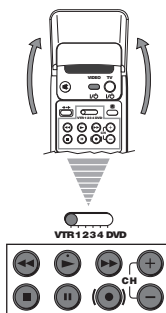
## Remote Control of other Sony Equipment

① Using the buttons underneath the cover of the remote control you can control other Sony equipment.

- 1 Open the cover of the Remote Control.
- 2 Set the selector VTR 1234 DVD according to the equipment you want to control:  
VTR 1 Beta VCR  
VTR 2 8 mm VCR  
VTR 3 VHS VCR  
VTR 4 Digital Video (DCR-VX 1000/9000 E, VHR-1000)  
DVD Digital Video Disk
- 3 Use the buttons underneath the cover on the remote control to operate the equipment.

⚠ If your video equipment has a COMMAND MODE selector, set this selector to the same position as the VTR 1234 DVD selector on the TV Remote Control.

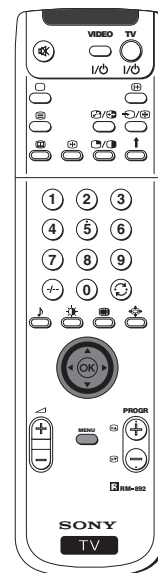
- If the equipment does not have a certain function, the corresponding button on the remote control does not work.



## Optional Connections

### Selecting the output source for the Euro AV connectors

① Using this function you can record on your VCR any signal coming from an external equipment connected to the Euro AV connectors ③-2/-③ 2 or ③-3 placed on the rear of the projection TV.  
In that case you have to select the output source as described below (if your VCR support Smartlink, this procedure is not necessary).



1 Press the **MENU** button on the remote control to display the menu on the screen.

2 Push the joystick to ▼ to select the  symbol, then push to ► button to enter to the **VIDEO CONNECTION** menu screen.

3 Push the joystick to ▼ or ▲ button to highlight:

**TV Screen** (input source for the TV screen) or

**Output** (output source available for ③-2/-③ 2 and ③-3 Euro AV connectors).

Push the joystick to ► to confirm.

4 Push the joystick to ◀ or ▶ repeatedly to select the desired source:

TV Screen **TV, AV1, RGB, AV2, YC2 or AV3**

Output **TV, AV1, AV2, YC2, AV3 or AUTO**

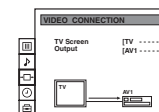
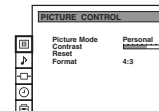
Then press the **OK** button to confirm.

⚠ If you select "**AUTO**", the output signal will always be the same one that is displayed on the screen.

⚠ If you have connected a decoder, please remember to change back the Output to "**TV**" for correct unscrambling.

5 Press the **MENU** button to exit and return to the normal TV screen.

👉 The selected signal is available for your optional equipment connected to the appropriate Euro AV connector.

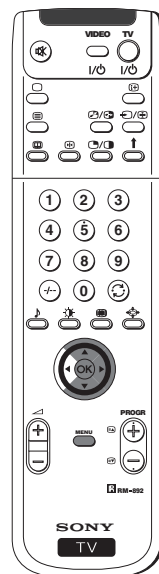


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## Optional Connections

### Using the AV Label Preset feature

- ① This function enables you to designate a name to the optional equipment you have connected to the sockets of this projection TV. This name can be up to 5 characters (letters or numbers).



1 Press the **MENU** button on the remote control to display the menu on the screen.

2 Push the joystick to **▼** to select the symbol, then push to **▶** to enter to the **PRESET** menu screen.

3 Push the joystick to **▼** or **▲** to select **AV Label Preset**, then push to **▶**.

4 Push the joystick to **▼** or **▲** select the input source you wish to name (eg AV2), then push to **▶** to highlight the first element of the **LABEL** column.

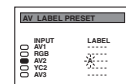
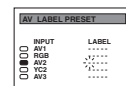
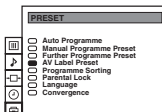
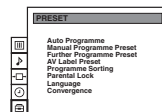
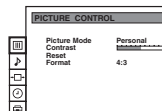
5 Push the joystick to **▼** or **▲** to select a letter or number (select “-” for a blank) then push to **▶** to confirm this character. Select the other four characters in the same way.

6 After selecting all the characters, press the **OK** button.

7 Repeat steps 4 to 6 if you wish to label other input sources.

8 Press the **MENU** button to exit and return to the normal TV screen.

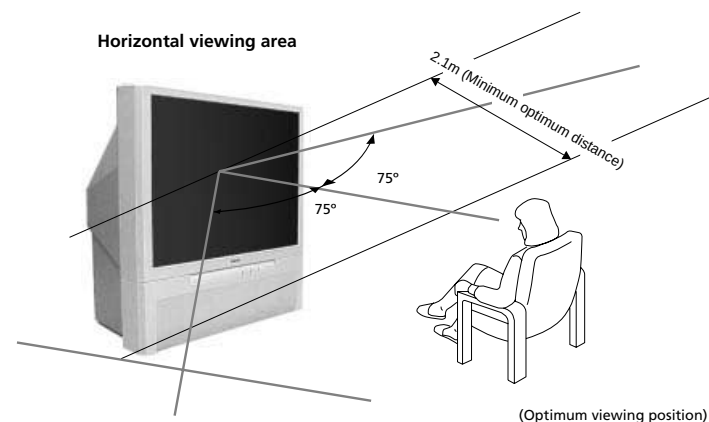
👉 Whenever the equipment with the labeled input is selected for use, the name appears for a few seconds on the screen.



## Additional Information

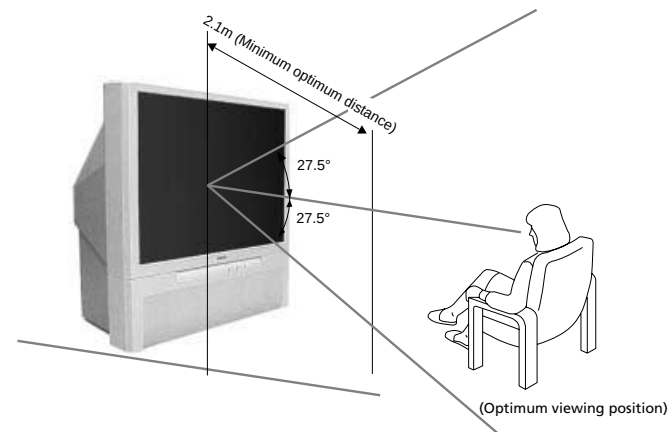
### Optimum Viewing Area

- ① For the best picture quality, try to position the projection TV so that you can view the screen from within the areas shown below.



GB

### Vertical viewing area



## Additional Information

### Troubleshooting

 Here are some simple solutions to the problems which may affect the picture and sound.

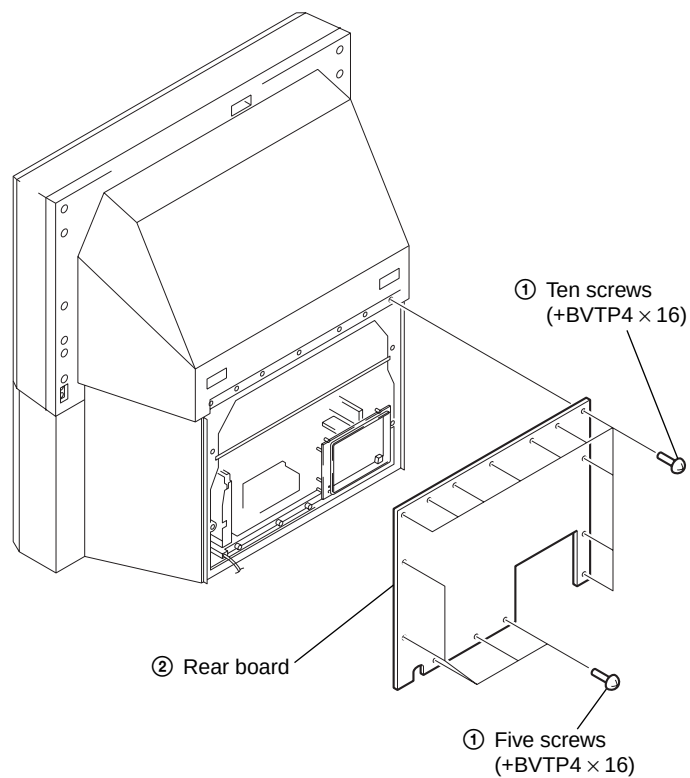
| Problem                                                                                                                       | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No picture (screen is dark), no sound.                                                                                        | <ul style="list-style-type: none"> <li>• Plug the projection TV in.</li> <li>• Press the  button on the front of the projection TV.</li> <li>• If the  indicator is on, press <b>TV I/O</b> button or a programme number button on the remote control.</li> <li>• Check the aerial connection.</li> <li>• Turn the projection TV off for 3 or 4 seconds and then turn it on again using the  button on the front of the projection TV.</li> </ul> |
| Poor or no picture (screen is dark), but good sound.                                                                          | <ul style="list-style-type: none"> <li>• Using the MENU system, select the Picture Adjustment display. Adjust the brightness, picture and colour balance levels.</li> <li>• From the Picture Adjustment display select <b>Reset</b> to return to the factory settings.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Poor picture quality when watching a RGB video source.                                                                        | <ul style="list-style-type: none"> <li>• Press the  button repeatedly on the remote control until the RGB symbol  is displayed on the screen.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                           |
| Good picture, no sound                                                                                                        | <ul style="list-style-type: none"> <li>• Press the  +/- button on the remote control.</li> <li>• If  is displayed on the screen, press the  button on the control.</li> <li>• Check that <b>"Main"</b> speaker is selected on the SOUND CONTROL menu.</li> </ul>                                                                                                                                                                                  |
| No colour on colour programmes                                                                                                | <ul style="list-style-type: none"> <li>• Using the MENU system, select the Picture Adjustment display. Adjust the colour balance.</li> <li>• From the Picture Adjustment display select Reset to return to the factory settings.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Distorted picture when changing programmes or selecting teletext                                                              | <ul style="list-style-type: none"> <li>• Turn off any equipment connected to the 21 pin Euro connectors on the rear of the TV.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Noisy picture when viewing TV channel                                                                                         | <ul style="list-style-type: none"> <li>• Adjust Fine Tuning (AFT) to obtain better picture reception. For details, please refer to the section "Using the Further Programme Preset function"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Remote control does not function                                                                                              | <ul style="list-style-type: none"> <li>• Replace the batteries.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| The standby indicator  on the set flashes. | <ul style="list-style-type: none"> <li>• Contact your nearest Sony service centre.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

GB

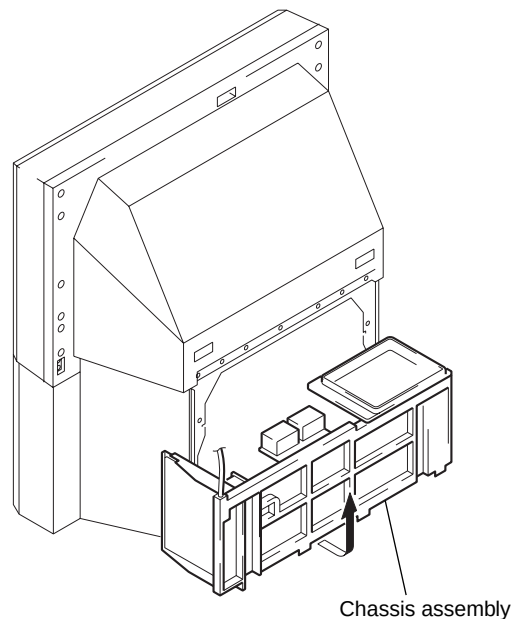
-  • If you continue to have these problems, have your TV serviced by qualified personnel.
- NEVER open the casing yourself.

## SECTION 3 DISASSEMBLY

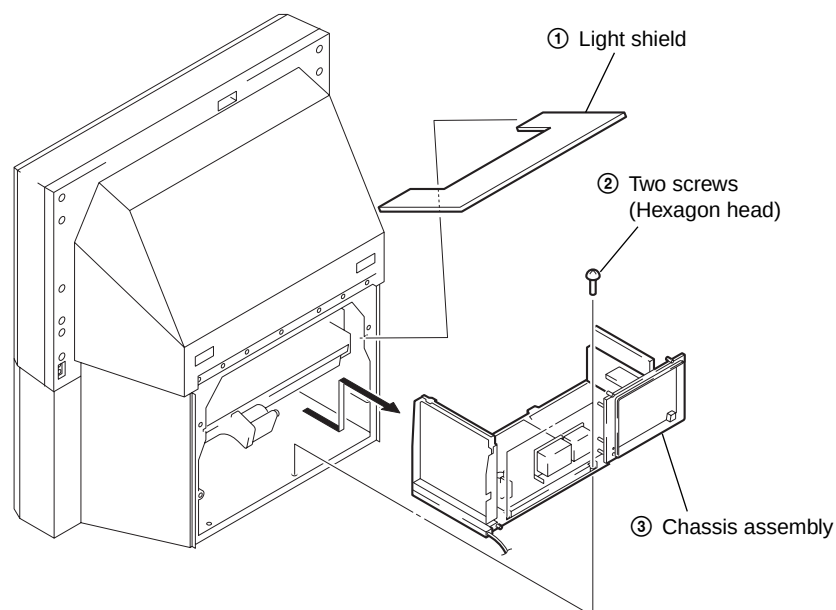
### 3-1. REAR BOARD REMOVAL



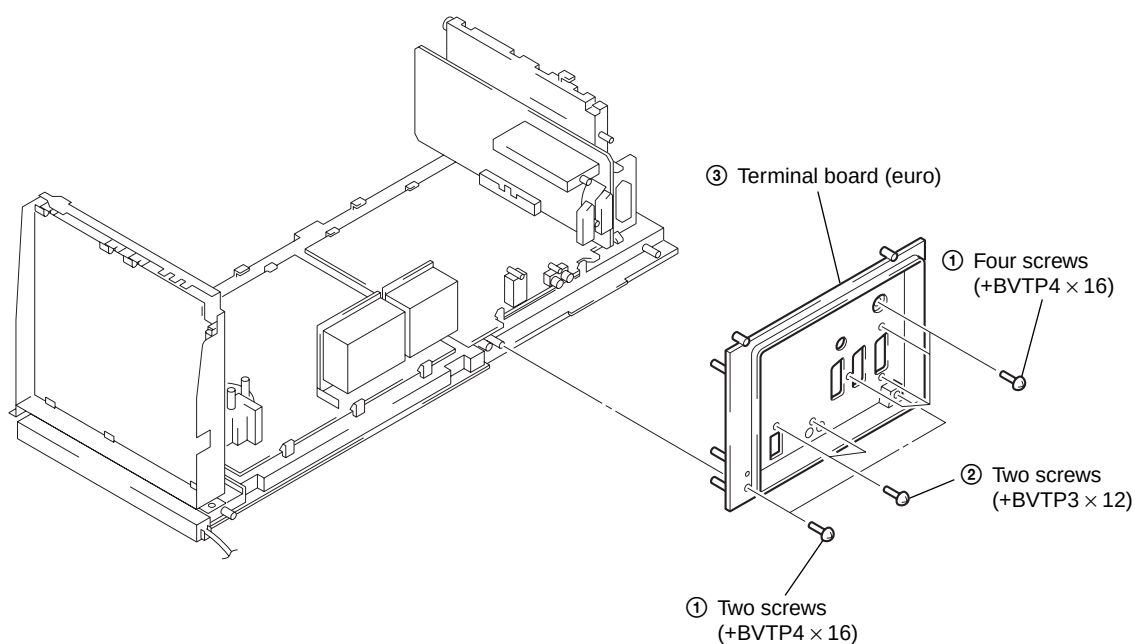
### 3-3. SERVICE POSITION



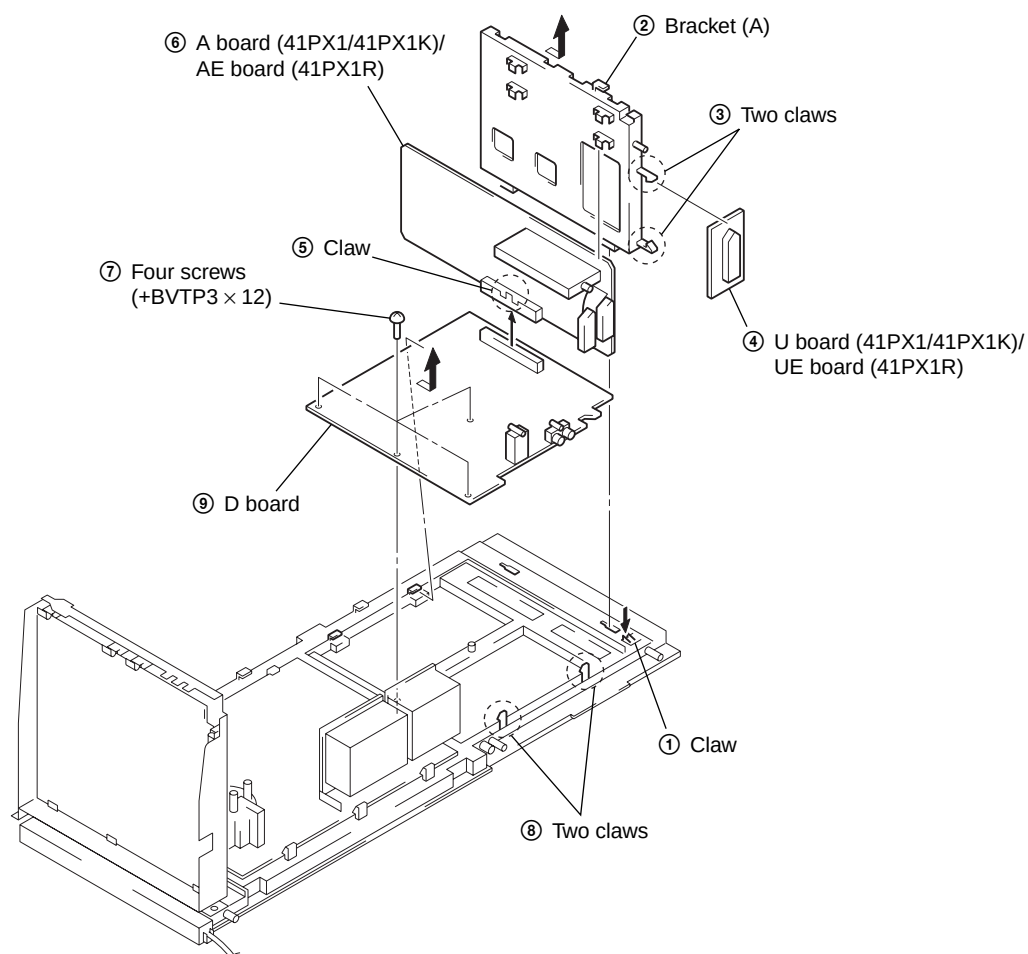
### 3-2. CHASSIS ASSEMBLY REMOVAL



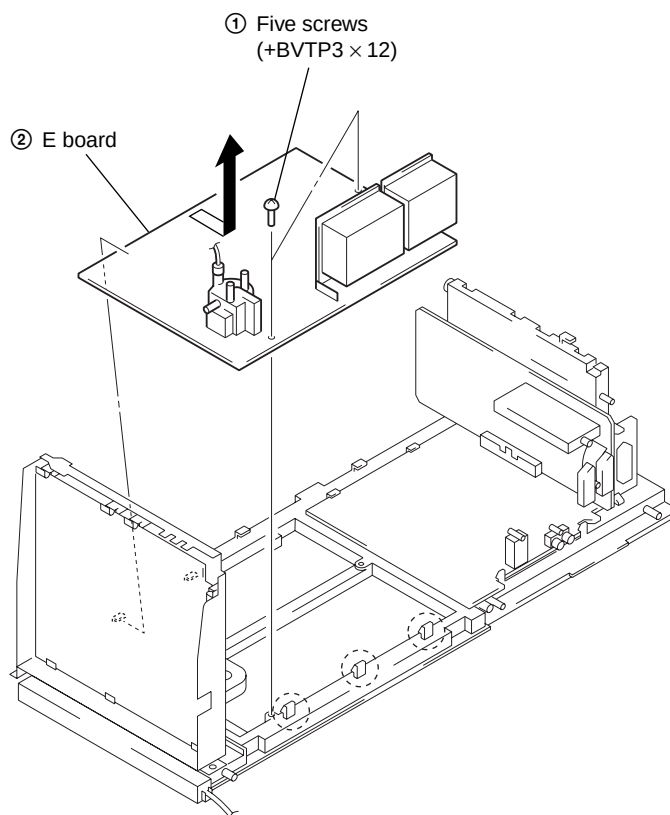
### 3-4. TERMINAL BOARD REMOVAL



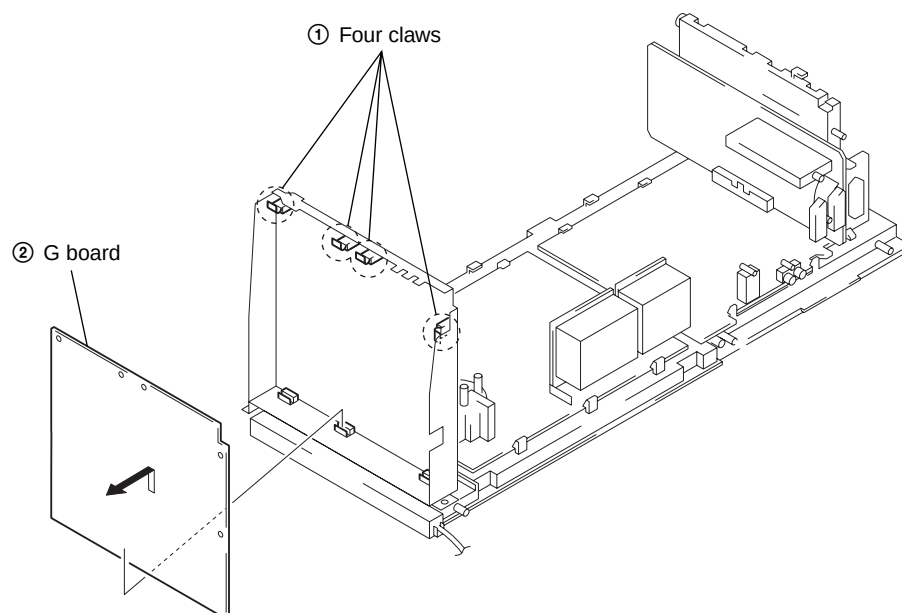
### 3-5. U (UE), A (AE) AND D BOARDS REMOVAL



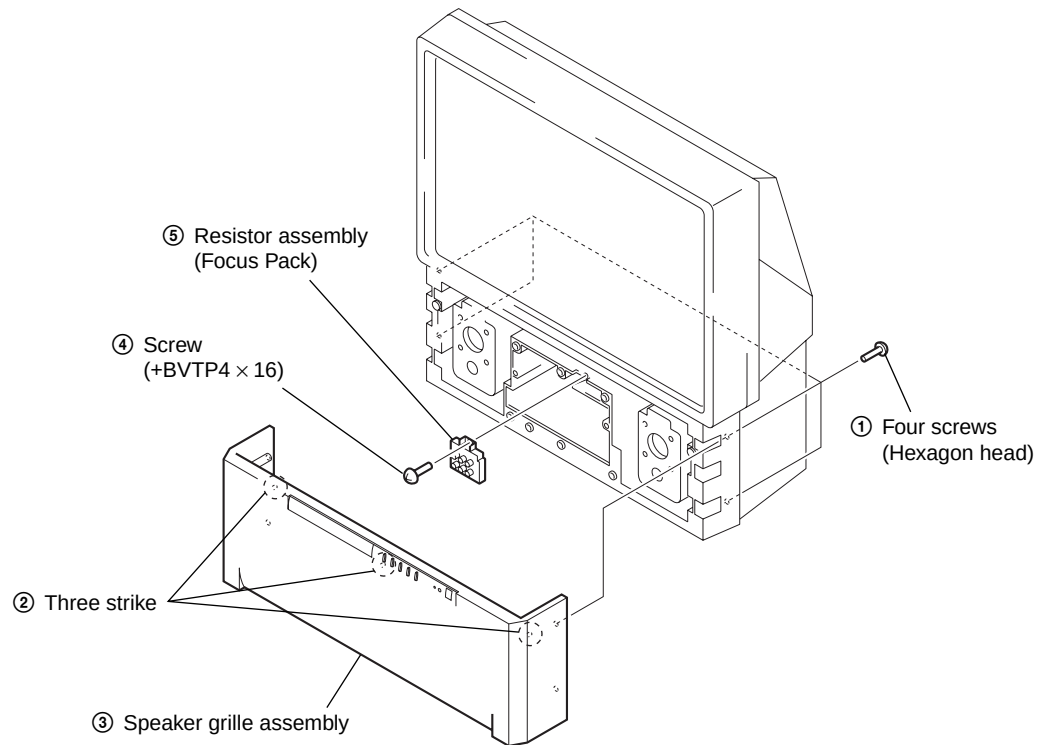
### 3-6. E BOARD REMOVAL



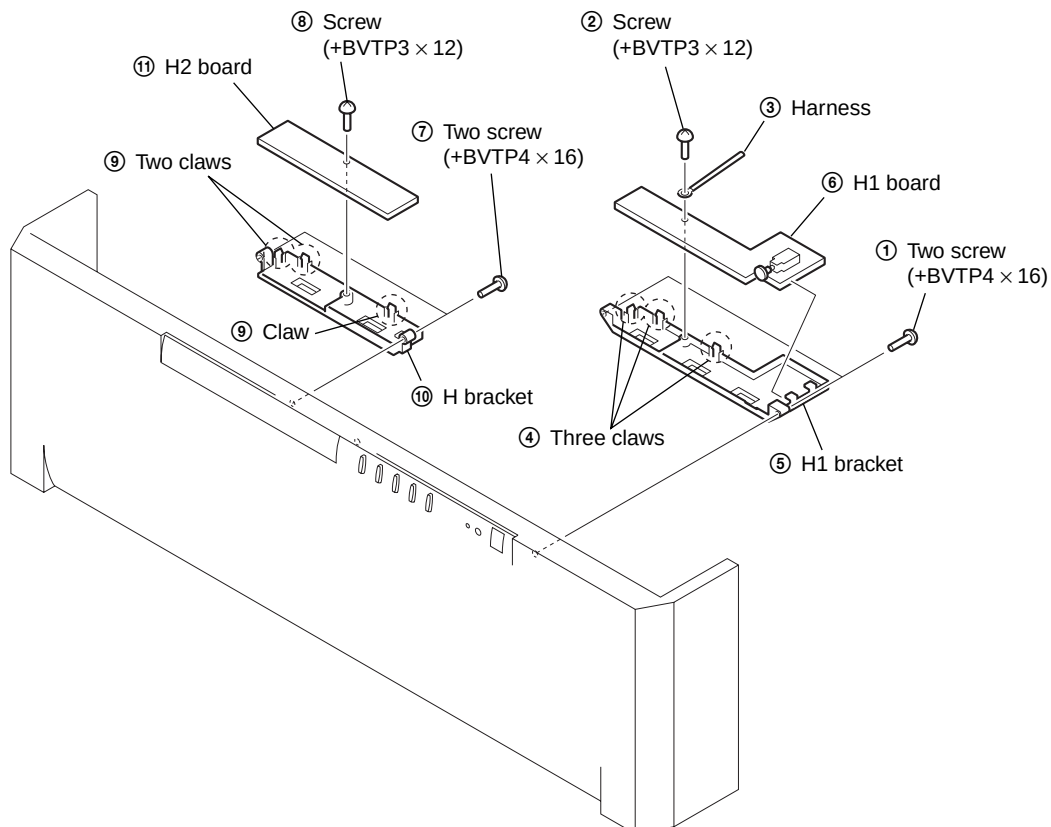
### 3-7. G BOARD REMOVAL



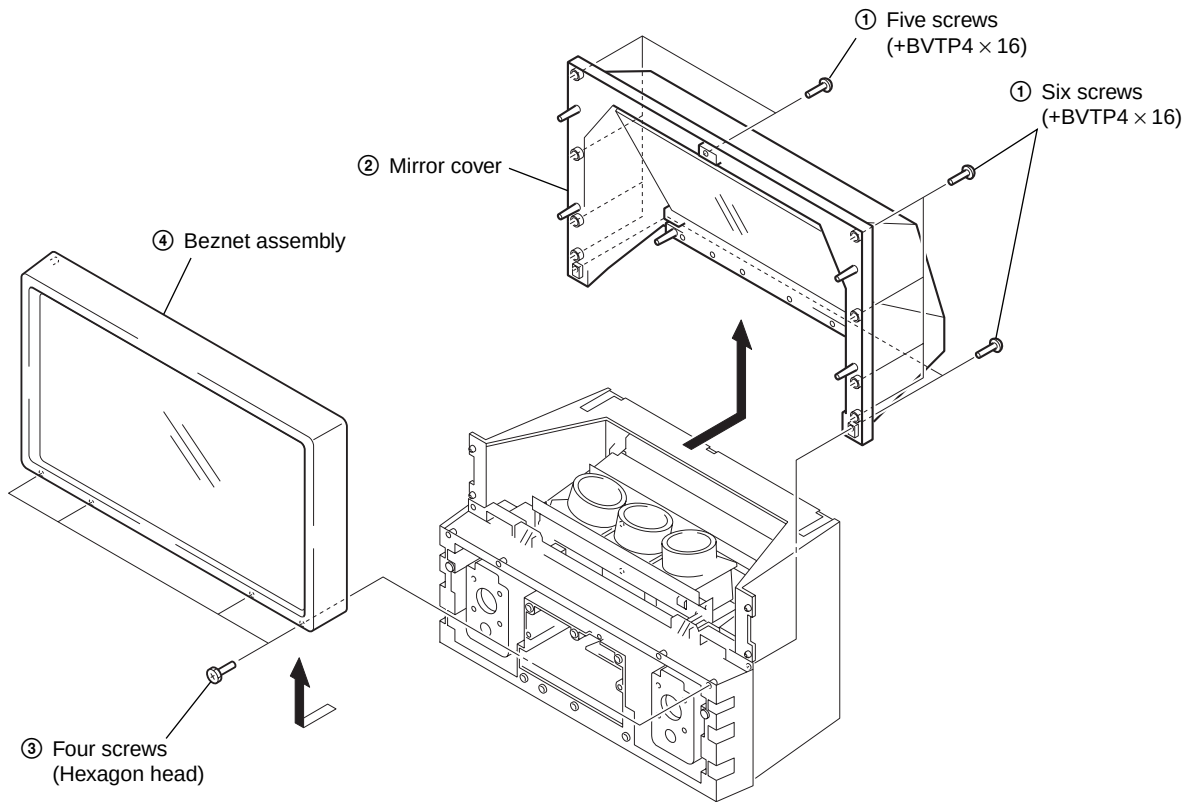
### 3-8. SPEAKER GRILLE AND RESISTOR ASSEMBLY (FOCUS PACK) REMOVAL



### 3-9. H1 AND H2 BOARDS REMOVAL

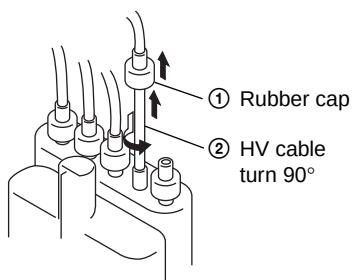


### 3-10. MIRROR COVER AND BEZNET ASSEMBLY REMOVAL

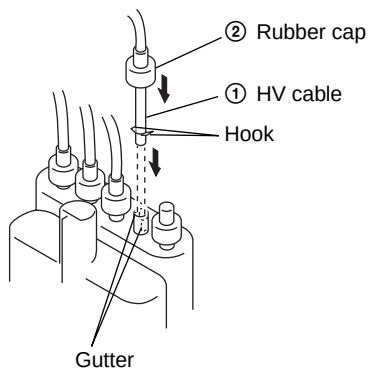


### 3-11. HIGH-VOLTAGE CABLE REMOVAL AND INSTALLATION

#### (1) Removal

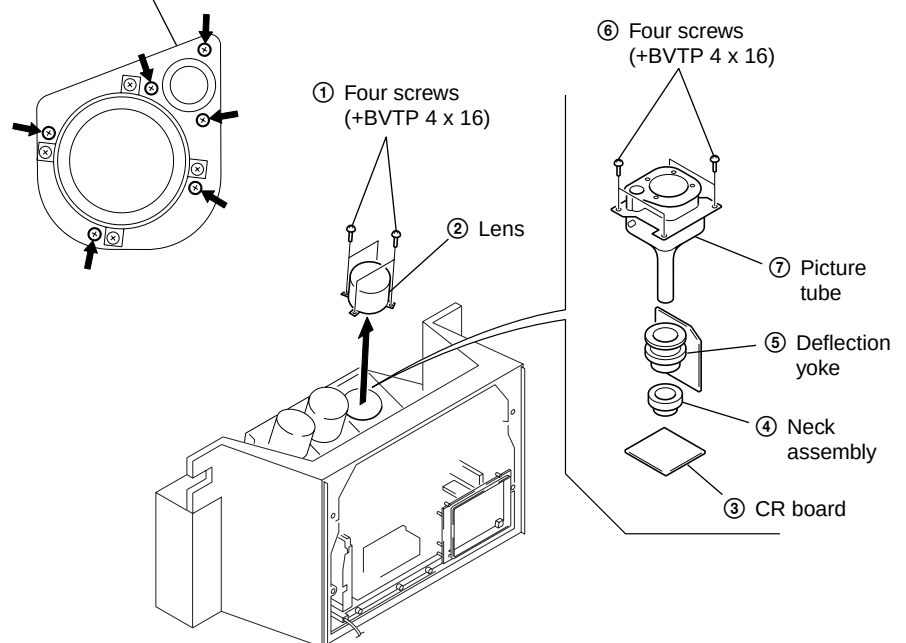


#### (2) Installation



### 3-12. PICTURE TUBE REMOVAL

Removing the arrow-marked screw is strictly inhibited. If removed, it may cause liquid spill.



## SECTION 4

### SET-UP ADJUSTMENTS

#### 4-1. SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)

1. Receive the Monoscope signal.
2. Set 50% BRIGHTNESS and minimum PICTURE.
3. Turn the red VR on the focus pack all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
4. Next gradually turn it to the left to the position where the retrace line disappears.

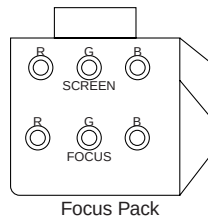
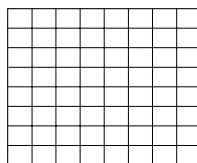


Fig. 4-1

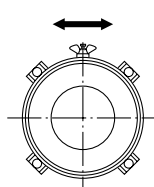
#### 4-2. FOCUS ROUGH ADJUSTMENT

1. Loose the lens screw.
2. Set in the service mode. (Refer to SECTION 6.)
3. Place the caps on the red and blue lens so that only the green color is shown.
4. Press "MENU" on the Commander and select Convergence and OSD CHSW = "00" to display the test signal (crosshatch) on the screen.
5. Rotate the green lens and align to obtain the best lens focus at the center area.
6. Rotate the green focus VR on the focus pack and align to obtain the best electrical focus at the center area.
7. Perform the same alignment for red and blue lenses and electric focus.
8. Fix lens screw.



Test signal

Fig. 4-2



Lens  
Fig. 4-3

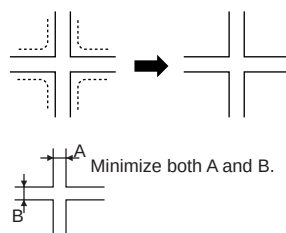


Fig. 4-4

#### 4-3. SCREEN (G2) ADJUSTMENT

1. Connect JIG (A) to 200 V and GND.
2. Select VIDEO1 mode without signals.
3. Connect JIG to the TP701(KR), TP731(KG) or TP761(KB) of CR board, CG board and CB board.
4. Adjust R, G and B screen voltage to until retrace line disappears with screen VR on the focus pack.

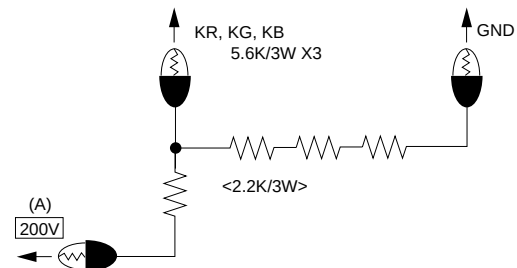
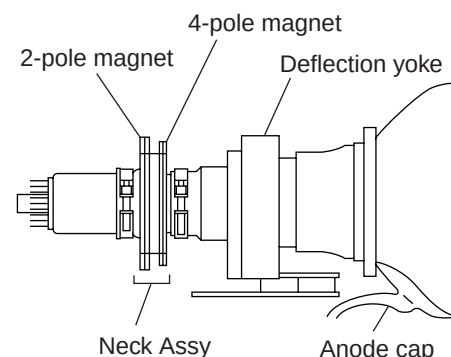


Fig. 4-5

#### 4-4. DEFLECTION YOKE TILT ADJUSTMENT

1. Receive the Monoscope signal.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Loosen the deflection yoke setscrew and align the tilt of the Deflection yoke so that the bars at the center of the monoscope pattern are horizontal.
4. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.
5. The tilt of the deflection yoke for red and blue is aligned the same as was done for green.



Make sure deflection yoke is touching CRT closely.

Fig. 4-6

#### 4-5. 2-POLE MAGNET ADJUSTMENT (GREEN AND RED)

1. Receive the Dot signal and set PICTURE to 80%, BRIGHTNESS to 50%.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Turn the green focus VR on the focus pack to the right and set to over focus to enlarge the spot.
4. Now align the 2-Pole Magnet so that the enlarged spot is in the center of the just focus spot.  
(Center of the dot does not move)
5. Align the green focus VR and set for just (precise) focus.
6. Perform the same alignment for red.

Use the center dot

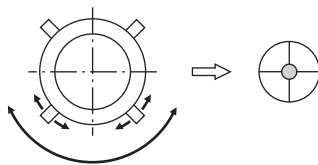
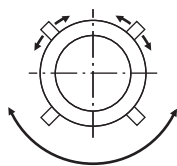


Fig. 4-7

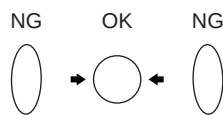
#### 4-6. 4-POLE MAGNET ADJUSTMENT

1. Receive the Dot signal and set PICTURE to 80%, BRIGHTNESS to 50%.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Turn the green focus VR on the focus pack to the left and set to under focus to enlarge the spot.
4. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle for green and red.
5. Perform the same alignment for red and blue.

Use the center dot



[GREEN and RED]



[BLUE]

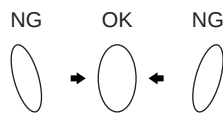


Fig. 4-8

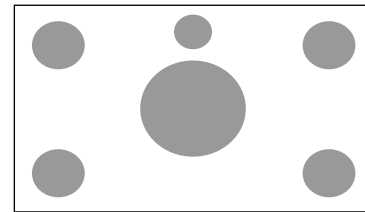
#### 4-7. GREEN, RED AND BLUE FOCUS ADJUSTMENT

##### 4-7-1. Green, Red and Blue Lens Focus Adjustment

1. Receive the Monoscope signal and set PICTURE to minimum, BRIGHTNESS to 50%.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Rotate the green lens and adjust to obtain the best lens focus in all areas.
4. Fix lens screw.
5. Repeat above process for red and blue.

##### 4-7-2. Green, Red and Blue Electrical Focus Adjustment

1. Receive the Monoscope signal and set PICTURE to minimum, BRIGHTNESS to 50%.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Rotate the green focus VR on the focus pack and adjust to obtain the best electrical focus in all areas.
4. Repeat above process for red and blue.



Adjust Point : Circular Areas

Fig. 4-9

## SECTION 5

### SAFETY RELATED ADJUSTMENT

When replacing the following components marked with  on the schematic diagram, always check hold-down voltage and if necessary re-adjust.

| Part Replaced (  ) |
|-----------------------------------------------------------------------------------------------------|
| R1                                                                                                  |

| Part Replaced (  ) |
|-----------------------------------------------------------------------------------------------------|
| E Board C515, C516, C554, D504, D507,<br>L506, Q502, R1, R514, R516,<br>R517, T502, T504 (FBT)      |
| G Board IC6005                                                                                      |

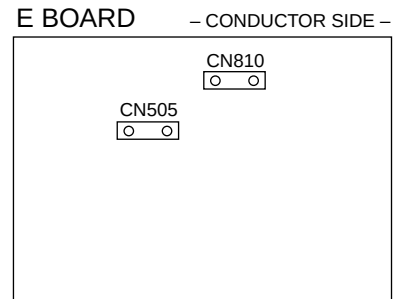


Fig. 5-3

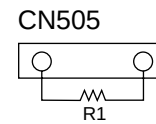


Fig. 5-4

#### 5-1. HV HOLD-DOWN ADJUSTMENT

1. Connect HV static voltmeter to HV Block.
2. Remove CN810 and connect External Power Supply to CN810 ② pin (+135 V) and ① pin (GND).

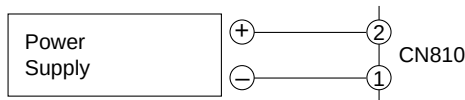


Fig. 5-1

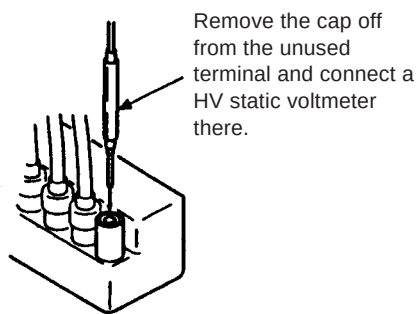


Fig. 5-2

3. Turn on the set.
4. Receive the Dot signal and set PICTURE/BRIGHTNESS to minimum.
5. Slowly up the supply voltage from 0 V to 135 V until hold-down circuit works (picture disappear).
6. Read the HV static voltmeter of peak HV voltage.  
Spec : 33.7 to 36.0 KV
7. If Hold-down voltage is less than 33.7 KV then solder R1 = 820 K and check if the voltage is within the spec.
8. If hold-down voltage is over than 36.0 KV then take-off R514 and solder R1 = 9.1 K and check if the voltage is within the spec.

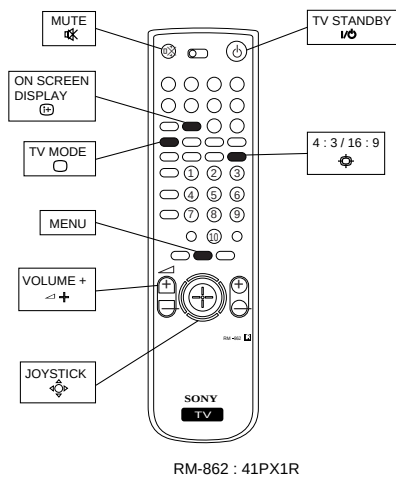
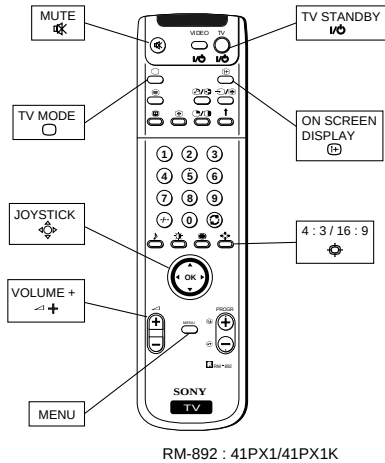
## SECTION 6

### ELECTRICAL ADJUSTMENTS

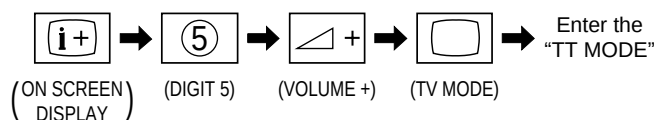
#### 6-1. HOW TO ENTER THE SERVICE MODE

##### 6-1-1. Adjustment Method with Commander

Service adjustment to this model can be performed with the supplied remote commander RM-892 (41PX1/41PX1K) or RM-862 (41PX1R).



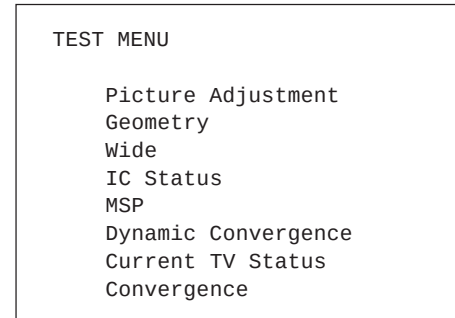
1. Turn on the main power switch of the set and enter into standby mode.
2. Press the following sequence of buttons on the Remote Commander.



"TT -" will appear in the top right corner of the screen.  
Other status information will also be displayed.

3. Press "MENU" on the commander to obtain the following menu on the screen.

(With some models, display items may be different from the following)



4. Move to the corresponding adjustment using the joystick (▲ or ▼ : up or down) on the commander.
5. Move the joystick to the right (▶) to enter the selected adjustment.
6. Press "OK" to exit.
7. Before TURN OFF is necessary:  
DATA WRITE : Press "MUTE" + "0"  
DATA COPY : Press "ON SCREEN DISPLAY" + "0"
8. Turn off the power to quit the service mode when adjustments are completed.

##### 6-1-2. Screen Display on the Test Menu

(With some models, display items and contents may be different from the following)

##### Picture Adjustment

##### PICTURE ADJUSTMENT

|                 |     |        |
|-----------------|-----|--------|
| AFC Mode        | 1   | 0 - 3  |
| Ref Position    | 3   | 0 - 3  |
| SCP BGR         | 1   | 0 - 3  |
| SCP BGF         | 1   | 0 - 3  |
| Trap F0         | 0   | 0 - 15 |
| Sub Contrast    | 11  | 0 - 15 |
| Sub Colour      | 10  | 0 - 15 |
| Sub Brightness  | 13  | 0 - 63 |
| Green Drive     | 51  | 0 - 63 |
| Blue Drive      | 43  | 0 - 63 |
| Green Cutoff    | 8   | 0 - 15 |
| Blue Cutoff     | 10  | 0 - 15 |
| Gamma           | 1   | 0 - 3  |
| Pre / Overshoot | 2   | 0 - 3  |
| Y Delay         | 3   | 0 - 7  |
| D Pic           | ON  | ON/OFF |
| D Color         | OFF | ON/OFF |
| DC Transfer     | ON  | ON/OFF |

## Geometry (\* : No need to adjust)

| GEOMETRY ADJUSTMENT |     |      |        |
|---------------------|-----|------|--------|
|                     | 4:3 | 16:9 |        |
| V Size              | 15  | 15   | 0 - 63 |
| V Position          | 47  | 47   | 0 - 63 |
| S Correction        | 0   | 0    | 0 - 15 |
| V Linearity         | 12  | 12   | 0 - 15 |
| H Size              | 40  | 40   | 0 - 63 |
| H Position          | 15  | 15   | 0 - 15 |
| Pin Amp             | 18  | 20   | 0 - 63 |
| Pin Phase           | 12  | 12   | 0 - 15 |
| AFC Bow             | 8   | 8    | 0 - 15 |
| AFC Angle           | 9   | 9    | 0 - 15 |
| * EHT V             | 1   | 1    | 0 - 3  |
| * EHT H             | 0   | 0    | 0 - 3  |
| Lo Corn Pin         | 4   | 6    | 0 - 15 |
| Up Corn Pin         | 1   | 3    | 0 - 15 |

## Wide (\* : No need to adjust)

| WIDE ADJUSTMENT  |     |      |        |
|------------------|-----|------|--------|
|                  | 4:3 | 16:9 |        |
| * V Aspect       | 47  | 47   | 0 - 63 |
| * V Scroll       | 25  | 25   | 0 - 63 |
| * Upper V Lin    | 0   | 0    | 0 - 15 |
| * Lower V Lin    | 0   | 0    | 0 - 15 |
| * Left Blanking  | 11  | 11   | 0 - 15 |
| * Right Blanking | 11  | 11   | 0 - 15 |

## IC Status

| IC STATUS (CXA2076 / CXA2040) |          |
|-------------------------------|----------|
| <u>CXA2076</u>                |          |
| H lock                        | 1        |
| IKR                           | 1        |
| V NG                          | 0        |
| XRAY                          | 0        |
| Colour System                 | 7        |
| CV1 Sync                      | 0        |
| <u>CXA2040</u>                |          |
| Sync Sep                      | 1        |
| S1 Mode Pin                   | 01       |
| S2 Mode Pin                   | 01       |
| <u>PORT EXPANDER</u>          |          |
| Power Good                    | 0        |
| <u>TUNER</u>                  |          |
| Tuner Status                  | 01111100 |

## MSP

| MSP ADJUSTMENT      |     |         |               |
|---------------------|-----|---------|---------------|
| SDR                 | 1   | CONCCT  | 0 FAWCTIST 12 |
| AGC On / Off        | ON  | ON/OFF  |               |
| Constant Gain CDB   | 0   | 0 - 20  |               |
| FM Prescale FMP     | 36  | 0 - 127 |               |
| Zwei Mono-St WHI    | 36  | 0 - 127 |               |
| Zwei St-Mono WLO    | 18  | 0 - 127 |               |
| Zwei Mono-Bi WMH    | 36  | 0 - 127 |               |
| Zwei Bi-Mono WLO    | 18  | 0 - 127 |               |
| Time Zwei WML       | 41  | 0 - 127 |               |
| FAWCT Limit         | 10  | 0 - 127 |               |
| FAWCT Soll Init FAW | 12  | 0 - 127 |               |
| FAW ER Tol          | 2   | 0 - 127 |               |
| NICAM Err Max CCT   | 10  | 0 - 127 |               |
| NICAM Err Min       | 0   | 0 - 127 |               |
| Time NICAM          | 26  | 0 - 127 |               |
| Audio Clock ACO     | HIZ | ON/HIZ  |               |
| SCART Prescale      | 25  | 0 - 127 |               |
| SCART Volume        | 64  | 0 - 127 |               |
| NICAM Prescale I    | 127 | 0 - 127 |               |
| NICAM Prescale L    | 97  | 0 - 127 |               |
| NICAM Prescale BG   | 97  | 0 - 127 |               |
| NICAM Prescale DK   | 97  | 0 - 127 |               |

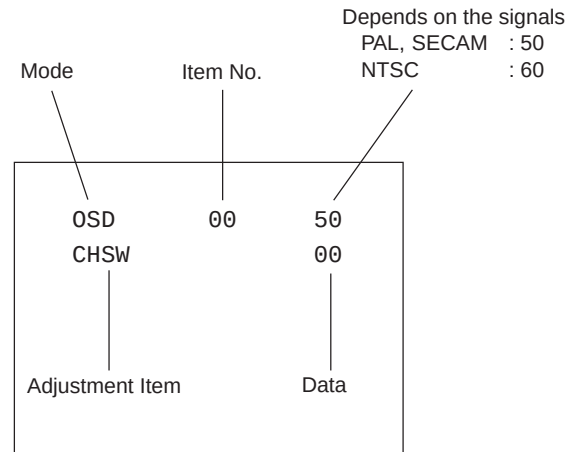
## Dynamic Convergence

| DYNAMIC CONVERGENCE |   |          |
|---------------------|---|----------|
| Range               | 0 | 0 - 42   |
| H stat              | 0 | OFF - 63 |
| H amp l             | 0 | OFF - 63 |
| H amp r             | 0 | OFF - 63 |
| Up Y                | 0 | OFF - 63 |
| Low Y               | 0 | OFF - 63 |
| Y up l              | 0 | OFF - 63 |
| Y up r              | 0 | OFF - 63 |
| Y low l             | 0 | OFF - 63 |
| Y low r             | 0 | OFF - 63 |
| Mbow up l           | 0 | OFF - 63 |
| Mbow up r           | 0 | OFF - 63 |
| Mbow low l          | 0 | OFF - 63 |
| Mbow low r          | 0 | OFF - 63 |
| V stat              | 0 | OFF - 63 |

## Current TV Status

|                       |                 |
|-----------------------|-----------------|
| TV STATUS RE-2A(TT09) |                 |
| Text System           | C Text-2        |
| Dolby Enabled         | No              |
| DSP Present           | No              |
| Text Language Set     | East/Greek      |
| Menu Language Set     | East            |
| Destination           | AEP             |
| Ageing                | Disabled        |
| Auto Shut Off         | Enabled         |
| Size                  | PJ              |
| Colour Trap Sw        | All             |
| Velocity Mod          | On              |
| AFT Status            |                 |
| Digital PF            | No              |
| Micro/Jungle          | SDA5250/CXA2076 |

## Convergence



### 6-1-3. Service List (Convergence)

(With some models, contents may be different from the following)

| Mode | Item Number | Adjustment Item | Data Range  | Initial Data |       | Name / Description                                                           | Device   |
|------|-------------|-----------------|-------------|--------------|-------|------------------------------------------------------------------------------|----------|
|      |             |                 |             | 16 : 9       | 4 : 3 |                                                                              |          |
| OSD  | 00          | CHSW            | 00, 01      | 00           |       | HATCH DISPLAY<br>00 : Internal Pattern (Crosshatch)<br>01 : External Pattern |          |
|      | 01          | OSH             | 01 ~ 32     | 10           |       | OSD H Position                                                               |          |
|      | 02          | OSV             | 01 ~ 32     | 10           |       | OSD V Position                                                               |          |
|      | 03          | VMRK            | 00, 01      | 00           |       | V SIZE MARKER<br>ON / OFF (cannot write to NVM)                              |          |
| SFT  | 00          | SFTE            | 00, 01      | 01           |       | SHIFT ENABLE<br>00 : Disable 01 : Enable                                     |          |
|      | 01          | SFTF            | 00, 01      | 00           |       | SHIFT FAST<br>00 : Normal 01 : Quick (cannot write to NVM)                   |          |
| GH   | 00          | GSEL            | 00, 01      | 00           | 00    | OSD SELECT FOR GH, GV<br>00 : Green+Red 01 : Green                           | CXP86213 |
|      | 01          | CENT            | -127 ~ +127 | 12           | 12    | GREEN H CENTER                                                               |          |
|      | 02          | SKEW            | -127 ~ +127 | -03          | -03   | GREEN H SKEW                                                                 |          |
|      | 03          | BOW             | -127 ~ +127 | 00           | 00    | GREEN H BOW                                                                  |          |
|      | 04          | 4BOW            | -127 ~ +127 | 00           | 00    | GREEN H 4th BOW                                                              |          |
|      | 05          | SIZE            | -127 ~ +127 | -27          | -27   | GREEN H SIZE                                                                 |          |
|      | 06          | LIN             | -127 ~ +127 | -21          | -21   | GREEN H LINEARITY                                                            |          |
|      | 07          | MSIZ            | -127 ~ +127 | 21           | 21    | GREEN H MID SIZE                                                             |          |
|      | 08          | MLIN            | -127 ~ +127 | -03          | -03   | GREEN H MID LINEARITY                                                        |          |
|      | 09          | KEY             | -127 ~ +127 | 00           | 00    | GREEN H KEYSTONE                                                             |          |
|      | 10          | SSKW            | -127 ~ +127 | -12          | -12   | GREEN H SUB SKEW                                                             |          |
|      | 11          | MPIN            | -127 ~ +127 | 10           | 10    | GREEN H MID PINCUSHION                                                       |          |
|      | 12          | PIN             | -127 ~ +127 | -10          | -10   | GREEN H PINCUSHION                                                           |          |
|      | 13          | SBOW            | -127 ~ +127 | 09           | 09    | GREEN H SUB BOW                                                              |          |
|      | 14          | MBOW            | -127 ~ +127 | 00           | 00    | GREEN H MID BOW                                                              |          |
|      | 15          | 4PIN            | -127 ~ +127 | 09           | 09    | GREEN H 4th PINCUSHION                                                       |          |
|      | 16          | 4SBO            | -127 ~ +127 | 00           | 00    | GREEN H 4th SUB BOW                                                          |          |

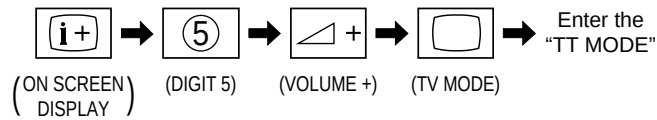
| Mode | Item Number | Adjustment Item | Data Range  | Initial Data |       | Name / Description                                         | Device   |
|------|-------------|-----------------|-------------|--------------|-------|------------------------------------------------------------|----------|
|      |             |                 |             | 16 : 9       | 4 : 3 |                                                            |          |
| GV   | 00          | CENT            | -127 ~ +127 | 03           | 03    | GREEN V CENTER                                             | CXP86213 |
|      | 01          | SKEW            | -127 ~ +127 | -17          | -17   | GREEN V SKEW                                               |          |
|      | 02          | BOW             | -127 ~ +127 | 00           | 00    | GREEN V BOW                                                |          |
|      | 03          | SIZE            | -127 ~ +127 | -25          | -25   | GREEN V SIZE                                               |          |
|      | 04          | LIN             | -127 ~ +127 | -12          | -12   | GREEN V LINEARITY                                          |          |
|      | 05          | MSIZ            | -127 ~ +127 | 30           | 30    | GREEN V MID SIZE                                           |          |
|      | 06          | MKEY            | -127 ~ +127 | 00           | 00    | GREEN V MID KEYSTONE                                       |          |
|      | 07          | KEY             | -127 ~ +127 | 02           | 02    | GREEN V KEYSTONE                                           |          |
|      | 08          | SSKW            | -127 ~ +127 | -08          | -08   | GREEN V SUB SKEW                                           |          |
|      | 09          | MPIN            | -127 ~ +127 | 00           | 00    | GREEN V MID PINCUSHION                                     |          |
|      | 10          | PIN             | -127 ~ +127 | 37           | 37    | GREEN V PINCUSHION                                         |          |
|      | 11          | SBOW            | -127 ~ +127 | 27           | 27    | GREEN V SUB BOW                                            |          |
|      | 12          | WAVW            | -127 ~ +127 | 00           | 00    | GREEN V WAVE                                               |          |
|      | 13          | 4PIN            | -127 ~ +127 | 03           | 03    | GREEN V 4th PINCUSHION                                     |          |
| RH   | 00          | CENT            | -95 ~ +96   | -25          | -25   | RED H CENTER                                               |          |
|      | 01          | SKEW            | -95 ~ +96   | -05          | -05   | RED H SKEW                                                 |          |
|      | 02          | BOW             | -127 ~ +127 | 08           | 08    | RED H BOW                                                  |          |
|      | 03          | 4BOW            | -127 ~ +127 | 00           | 00    | RED H 4th BOW                                              |          |
|      | 04          | SIZE            | -127 ~ +127 | -25          | -25   | RED H SIZE                                                 |          |
|      | 05          | LIN             | -127 ~ +127 | -55          | -55   | RED H LINEARITY                                            |          |
|      | 06          | MSIZ            | -127 ~ +127 | 38           | 38    | RED H MID SIZE                                             |          |
|      | 07          | MLIN            | -127 ~ +127 | -21          | -21   | RED H MID LINEARTIY                                        |          |
|      | 08          | KEY             | -127 ~ +127 | -17          | -17   | RED H KEYSTONE                                             |          |
|      | 09          | SSKW            | -127 ~ +127 | -23          | -23   | RED H SUB SKEW                                             |          |
|      | 10          | MPIN            | -127 ~ +127 | 03           | 03    | RED H MID PINCUSHON                                        |          |
|      | 11          | PIN             | -127 ~ +127 | -02          | -02   | RED H PINCUSHON                                            |          |
|      | 12          | SBOW            | -127 ~ +127 | 84           | 84    | RED H SUB BOW                                              |          |
|      | 13          | MBOW            | -127 ~ +127 | 11           | 11    | RED H MID BOW                                              |          |
|      | 14          | 4PIN            | -127 ~ +127 | 13           | 13    | RED H 4th PINCUSHON                                        |          |
|      | 15          | 4SBO            | -127 ~ +127 | -03          | -03   | RED H 4th SUB BOW                                          |          |
| RV   | 00          | CENT            | -95 ~ +96   | -20          | -20   | RED V CENTER                                               |          |
|      | 01          | SKEW            | -95 ~ +96   | -23          | -23   | RED V SKEW                                                 |          |
|      | 02          | BOW             | -127 ~ +127 | 02           | 02    | RED V BOW                                                  |          |
|      | 03          | SIZE            | -127 ~ +127 | 13           | 13    | RED V SIZE                                                 |          |
|      | 04          | LIN             | -127 ~ +127 | -03          | -03   | RED V LINEARITY                                            |          |
|      | 05          | MSIZ            | -127 ~ +127 | 28           | 28    | RED V MID SIZE                                             |          |
|      | 06          | MKEY            | -127 ~ +127 | 12           | 12    | RED V MID KEYSTONE                                         |          |
|      | 07          | KEY             | -127 ~ +127 | -19          | -19   | RED V KEYSTONE                                             |          |
|      | 08          | SSKW            | -127 ~ +127 | 02           | 02    | RED V SUB SKEW                                             |          |
|      | 09          | MPIN            | -127 ~ +127 | -02          | -02   | RED V MID PINCUSHON                                        |          |
|      | 10          | PIN             | -127 ~ +127 | 16           | 16    | RED V PINCUSHON                                            |          |
|      | 11          | SBOW            | -127 ~ +127 | 25           | 25    | RED V SUB BOW                                              |          |
|      | 12          | WAVW            | -127 ~ +127 | 36           | 36    | RED V WAVE                                                 |          |
|      | 13          | 4PIN            | -127 ~ +127 | -02          | -02   | RED V 4th PINCUSHON                                        |          |
|      | 14          | MWAV            | -31 ~ +31   | -07          | -07   | MID WAVE                                                   |          |
| BH   | 00          | BSEL            | 00, 01      | 00           | 00    | OSD SELECT FOR BH, BV<br>00 : Blue + Green 01 : Blue + Red |          |
|      | 01          | CENT            | -95 ~ +96   | 10           | 10    | BLUE H CENTER                                              |          |
|      | 02          | SKEW            | -95 ~ +96   | 07           | 07    | BLUE H SKEW                                                |          |
|      | 03          | BOW             | -127 ~ +127 | -03          | -03   | BLUE H BOW                                                 |          |
|      | 04          | 4BOW            | -127 ~ +127 | 00           | 00    | BLUE H 4th BOW                                             |          |
|      | 05          | SIZE            | -127 ~ +127 | -18          | -18   | BLUE H SIZE                                                |          |
|      | 06          | LIN             | -127 ~ +127 | 11           | 11    | BLUE H LINEARITY                                           |          |
|      | 07          | MSIZ            | -127 ~ +127 | 42           | 42    | BLUE H MID SIZE                                            |          |
|      | 08          | MLIN            | -127 ~ +127 | 13           | 13    | BLUE H MID LINEARTIY                                       |          |
|      | 09          | KEY             | -127 ~ +127 | -01          | -01   | BLUE H KEYSTONE                                            |          |
|      | 10          | SSKW            | -127 ~ +127 | -09          | -09   | BLUE H SUB SKEW                                            |          |
|      | 11          | MPIN            | -127 ~ +127 | -03          | -03   | BLUE H MID PINCUSHON                                       |          |
|      | 12          | PIN             | -127 ~ +127 | -06          | -06   | BLUE H PINCUSHON                                           |          |
|      | 13          | SBOW            | -127 ~ +127 | -31          | -31   | BLUE H SUB BOW                                             |          |
|      | 14          | MBOW            | -127 ~ +127 | -14          | -14   | BLUE H MID BOW                                             |          |
|      | 15          | 4PIN            | -127 ~ +127 | 15           | 15    | BLUE H 4th PINCUSHON                                       |          |
|      | 16          | 4SBO            | -127 ~ +127 | 01           | 01    | BLUE H 4th SUB BOW                                         |          |

| Mode | Item Number | Adjustment Item | Data Range  | Initial Data |       | Name / Description                            | Device   |
|------|-------------|-----------------|-------------|--------------|-------|-----------------------------------------------|----------|
|      |             |                 |             | 16 : 9       | 4 : 3 |                                               |          |
| BV   | 00          | CENT            | -95 ~ +96   | -19          | -19   | BLUE V CENTER                                 | CXP86213 |
|      | 01          | SKEW            | -95 ~ +96   | 08           | 08    | BLUE V SKEW                                   |          |
|      | 02          | BOW             | -127 ~ +127 | 05           | 05    | BLUE V BOW                                    |          |
|      | 03          | SIZE            | -127 ~ +127 | -08          | -08   | BLUE V SIZE                                   |          |
|      | 04          | LIN             | -127 ~ +127 | -02          | -02   | BLUE V LINEARITY                              |          |
|      | 05          | MSIZ            | -127 ~ +127 | 28           | 28    | BLUE V MID SIZE                               |          |
|      | 06          | MKEY            | -127 ~ +127 | -12          | -12   | BLUE V MID KEYSTONE                           |          |
|      | 07          | KEY             | -127 ~ +127 | 05           | 05    | BLUE V KEYSTONE                               |          |
|      | 08          | SSKW            | -127 ~ +127 | -22          | -22   | BLUE V SUB SKEW                               |          |
|      | 09          | MPIN            | -127 ~ +127 | -07          | -07   | BLUE V MID PINCUSHON                          |          |
|      | 10          | PIN             | -127 ~ +127 | 22           | 22    | BLUE V PINCUSHON                              |          |
|      | 11          | SBOW            | -127 ~ +127 | 29           | 29    | BLUE V SUB BOW                                |          |
|      | 12          | WAVW            | -127 ~ +127 | -31          | -31   | BLUE V WAVE                                   |          |
|      | 13          | 4PIN            | -127 ~ +127 | -12          | -12   | BLUE V 4th PINCUSHON                          |          |
|      | 14          | MWAV            | -31 ~ +31   | -03          | -03   | MID WAVE                                      |          |
| ACV  | 00          | ART0            | 01 ~ 08     | 06           |       | DATA SAMPLE LENGTH<br>(1 step = 1 $\mu$ sec.) |          |
|      | 01          | AT1T            | 00 ~ 255    | 18           |       | Data Sampling Start Time                      |          |
|      | 02          | AT1M            | 00 ~ 255    | 132          |       | from V BLK (50Hz)                             |          |
|      | 03          | AT1B            | 00 ~ 255    | 240          |       | (1 step = 64 $\mu$ sec = approx. 1H)          |          |
|      | 04          | AH51            | 01 ~ 255    | 18           |       | (1 step = 1 OSD step) OSD H POS 50 (L&R)      |          |
|      | 05          | AH52            | 01 ~ 255    | 130          |       | OSD H POS 50 (UP&BOTTOM)                      |          |
|      | 06          | AV5T            | 00 ~ 255    | 01           |       | (1 step = 2 lines) OSD V POS 50 (UP)          |          |
|      | 07          | AV5M            | 00 ~ 255    | 60           |       | OSD V POS 50 (L&R)                            |          |
|      | 08          | AV5B            | 00 ~ 255    | 130          |       | OSD V POS 50 (BOTTOM)                         |          |
|      | 09          | AH61            | 01 ~ 255    | 18           |       | (1 step = 1 OSD step) OSD H POS 60 (L&R)      |          |
|      | 10          | AH62            | 01 ~ 255    | 130          |       | OSD H POS 60 (BOTTOM)                         |          |
|      | 11          | AV6T            | 00 ~ 255    | 01           |       | (1 step = 2 lines) OSD V POS 50 (UP)          |          |
|      | 12          | AV6M            | 00 ~ 255    | 46           |       | OSD V POS 50 (L&R)                            |          |
|      | 13          | AV6B            | 00 ~ 255    | 100          |       | OSD V POS 50 (BOTTOM)                         |          |
|      | 14          | RHCO            | -127 ~ +127 | -48          |       | (8 step = 1 step) RH CENT ADJ OFFSET          |          |
|      | 15          | BHCO            | -127 ~ +127 | 15           |       | BH CENT ADJ OFFSET                            |          |
|      | 16          | RVCO            | -127 ~ +127 | -04          |       | RV CENT ADJ OFFSET                            |          |
|      | 17          | BVCO            | -127 ~ +127 | 03           |       | BV CENT ADJ OFFSET                            |          |
|      | 18          | RHSO            | -127 ~ +127 | -03          |       | RH SKEW ADJ OFFSET                            |          |
|      | 19          | BHSO            | -127 ~ +127 | 05           |       | BH SKEW ADJ OFFSET                            |          |
|      | 20          | RVSO            | -127 ~ +127 | 09           |       | RV SKEW ADJ OFFSET                            |          |
|      | 21          | BVSO            | -127 ~ +127 | -07          |       | BV SKEW ADJ OFFSET                            |          |
|      | 22          | AERR            | 00 ~ 255    | 00           |       | (Error Code)                                  |          |
| MSC  | 00          | ACTL            | 00 ~ 255    | 10           |       | Lower byte of counter value                   |          |
|      | 01          | ACTH            | 00 ~ 255    | 00           |       | Higher byte of counter value                  |          |

## 6-2. REGISTRATION ADJUSTMENT

### 6-2-1. Registration Adjustment Method

1. Turn on the main power switch of the set and enter into standby mode.
2. Press the following sequence of buttons on the Remote Commander.



3. Press "MENU" on the commander.
4. Move to the corresponding adjustment using the joystick (▲ or ▼ : up or down) on the commander.
5. Move the joystick to the right (▶) to enter the selected adjustment.

With the joystick ◀▶ :

- ▲ or ▼ Items change
- ◀ or ▶ Data change

In internal pattern :

ITEM : Convergence

OSD CHSW = "00" Internal pattern (crosshatch)

OSD CHSW = "01" External pattern

Color of internal pattern :

ITEM : Convergence

GH GSEL = "00" Green + Red

GH GSEL = "01" Green

BH BSEL = "00" Blue + Green

BH BSEL = "01" Blue + Red

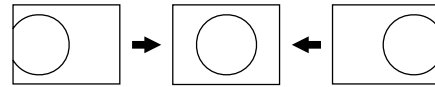
### 6-2-2. Main Deflection Adjustment

1. Receive the PAL SPCB signal.
2. Select 16 : 9 mode.  
Press "◉ (blue key)" : 4 : 3 ➔ 16 : 9  
Need geometry adjustment to 16 : 9 mode and 4 : 3 mode.  
Production spec of each mode.
3. Select service mode and enter adjustment item for green signal.

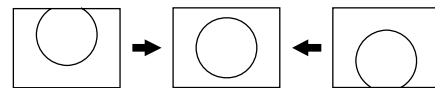
## CENTER ADJUSTMENT

1. Adjust H Position and V Position.

H Position



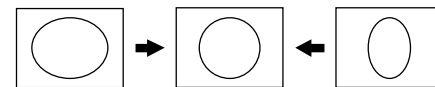
V Position



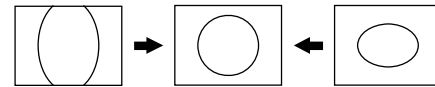
## SIZE ADJUSTMENT

1. Make Convergence GH SIZE data "00".
2. Adjust Geometry H Size.
3. Make Convergence GV SIZE data "00".
4. Adjust Geometry V Size.
5. Adjust Geometry S Correction.

H Size



V Size



Signal : PAL SPCB

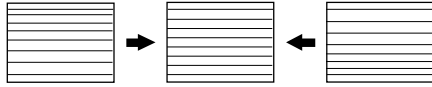
|        | H SIZE       | V SIZE       |
|--------|--------------|--------------|
| 16 : 9 | 16.6 ±0.2 sq | 12.6 ±0.2 sq |
| 4 : 3  | 17.1 ±0.2 sq | 12.4 ±0.2 sq |

## MAIN DEFLECTION ADJUSTMENT

### 1. Adjust V Linearity.

Correct linearity of the horizontal top and bottom lines.

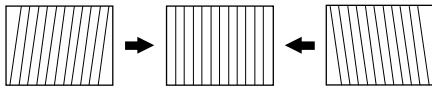
V Linearity



### 2. Adjust AFC Angle

Correct the vertical center line to be in parallel with the screen edges and other colors.

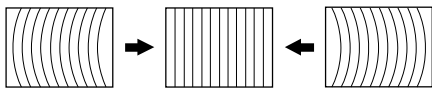
AFC Angle



### 3. Adjust AFC Bow

Correct linearity of the vertical center line.

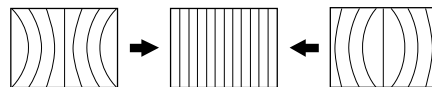
AFC Bow



### 4. Adjust PIN Amp

Correct the vertical left and right lines and eliminate pin-cushion-shaped distortion.

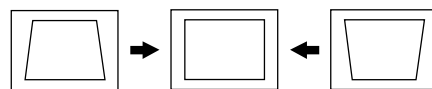
PIN Amp



### 5. Adjust PIN Phase

Correct the vertical left and right lines to be in parallel with each other.

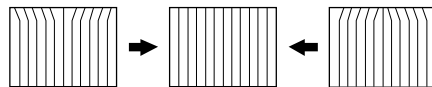
PIN Phase



### 6. Adjust Up Corn Pin

Correct the screen top section line bow.

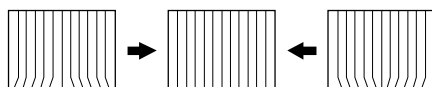
Up Corn Pin



### 7. Adjust Lo Corn Pin

Correct the screen bottom section line bow.

Lo Corn Pin



## 6-2-3. Sub Deflection Adjustment

### 1. Receive the PAL SPCB signal.

### 2. Select 16 : 9 mode.

Press “ $\Phi$  (blue key)” : 4 : 3  $\rightarrow$  16 : 9

Need geometry adjustment to 16 : 9 mode and 4 : 3 mode.

Production spec of each mode.

### 3. Select service mode and enter adjustment item for green signal.

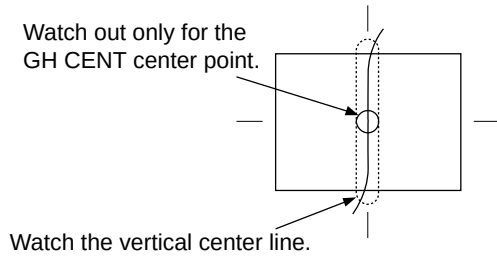
## SUB DEFLECTION ADJUSTMENT ITEM

Adjustment  $\bigcirc$  : Yes  $-$  : No

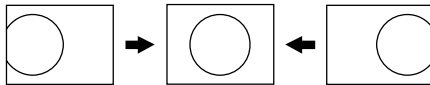
| Display | Adjustment item | Adjustment type |            |            |            |            |            |
|---------|-----------------|-----------------|------------|------------|------------|------------|------------|
|         |                 | GH              | GV         | RH         | RV         | BH         | BV         |
| GSEL    | COL SELECT      | $\bigcirc$      | -          | -          | -          | -          | -          |
| BSEL    | COL SELECT      | -               | -          | -          | -          | $\bigcirc$ | -          |
| CENT    | CENT            | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| SKEW    | SKEW            | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| BOW     | BOW             | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 4BOW    | 4TH BOW         | $\bigcirc$      | -          | $\bigcirc$ | -          | $\bigcirc$ | -          |
| SIZE    | SIZE            | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| LIN     | LIN             | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| MSIZ    | MID SIZE        | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| MLIN    | MID LIN         | $\bigcirc$      | -          | $\bigcirc$ | -          | $\bigcirc$ | -          |
| MKEY    | MID KEY         | -               | $\bigcirc$ | -          | $\bigcirc$ | -          | $\bigcirc$ |
| KEY     | KEY             | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| SSKW    | SUB SKEW        | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| MPIN    | MID PIN         | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| PIN     | PIN             | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| SBOW    | SUB BOW         | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| WAVW    | WAVE            | -               | $\bigcirc$ | -          | $\bigcirc$ | -          | $\bigcirc$ |
| MBOW    | MID BOW         | $\bigcirc$      | -          | $\bigcirc$ | -          | $\bigcirc$ | -          |
| 4PIN    | 4TH PIN         | $\bigcirc$      | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 4SBO    | 4TH SUB BOW     | $\bigcirc$      | -          | $\bigcirc$ | -          | $\bigcirc$ | -          |
| MWAV    | MID WAVE        | -               | -          | -          | $\bigcirc$ | -          | $\bigcirc$ |

### GREEN VERTICAL LINE ADJUSTMENT

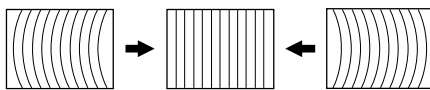
1. Receive the PAL SPCB signal.
2. Carefully watching out for the GH CENT screen center section, adjust GH CENT, GH BOW, GH SKEW.
3. GH 4BOW adjustment. Correct the corner distortion which could not be adjusted with GH BOW.



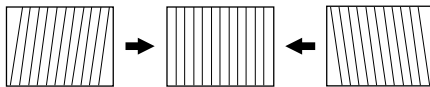
GH CENT



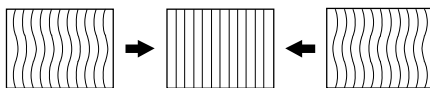
GH BOW



GH SKEW

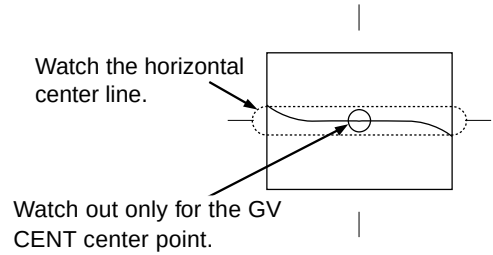


GH 4BOW

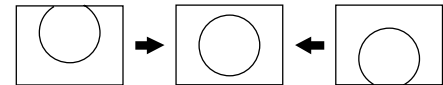


### GREEN HORIZONTAL LINE ADJUSTMENT

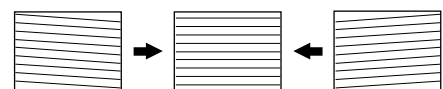
1. Receive the PAL SPCB signal.
2. Finely adjust the center position of the vertical line at the center of the screen with GV CENT.
3. Using GV SKEW and GV BOW, correct the tilt and bow of the horizontal line at the centre of the screen.



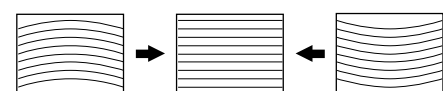
GV CENT



GV SKEW

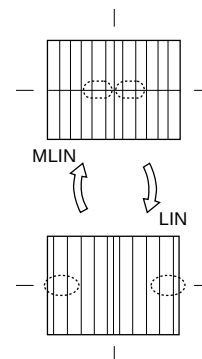


GV BOW



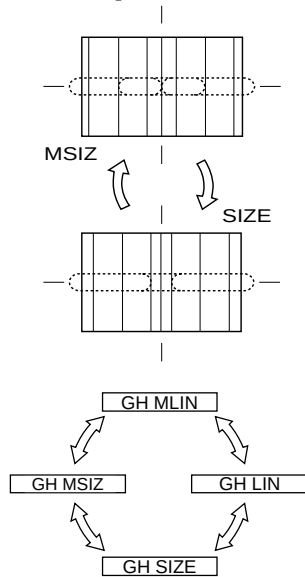
### GREEN SIZE AND LINEARITY ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Balance the sizes at both sides of the center section of the screen with GH MLIN.
3. Balance the sizes on both end sections of the screen with GH LIN.
4. While tracking, adjust with GH MLIN and GH LIN so that the sizes of the horizontal line at the center of the screen are symmetrical left and right.



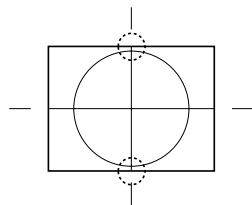
### GREEN HORIZONTAL SIZE ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Adjust with GH MSIZ, so that the sizes of both edges and centre are equal.
3. Adjust with GH SIZE, so that the horizontal sizes of both edges and centre are equal.
4. While tracking adjust GH MSIZ and GH SIZE so that the space intervals for the horizontal section of the screen are equal.
5. Adjust again if M LIN is changed after GH MSIZ and GH SIZE are complete.



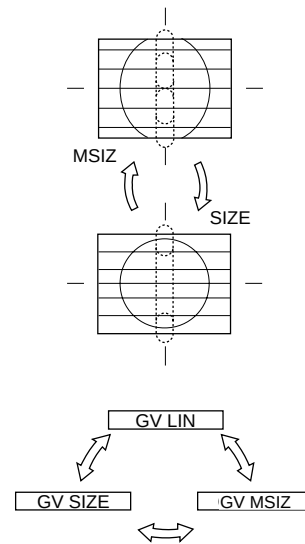
### GREEN VERTICAL LINEARITY ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Adjust GV LIN so that the vertical lines at the top and bottom of the screen are symmetrical.



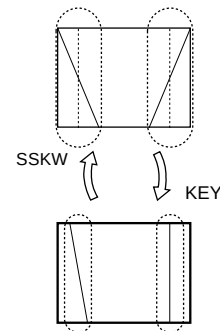
### GREEN VERTICAL SIZE ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Adjust GV MSIZ so that the sizes at the top and bottom and centre are equal.
3. Set the vertical size to correct specification.
4. While tracking adjust GV MSIZ and GV SIZE so that the space intervals for the vertical line of the screen are equal, also the vertical size should be within space.
5. Adjust again if GV LIN has been altered after completing the above adjustments.



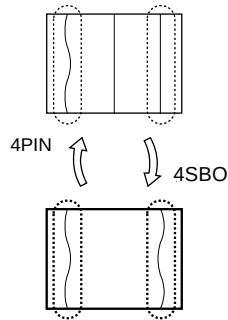
### GREEN HORIZONTAL TRAPEZOIDAL DISTORTION ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Adjust GH SSKW so that the tilt of the vertical lines at both edges of the screen are symmetrical left and right.
3. Adjust GH KEY so that there is no tilt in the vertical lines at both edges of the screen.
4. While tracking adjust GH KEY and GH SSKW.



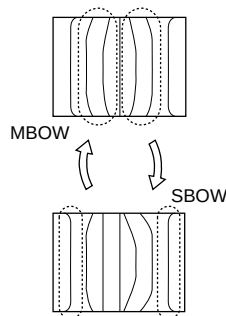
### GREEN HORIZONTAL QUATERNARY ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Adjust GH 4PIN, to correct the 4th order distortion.
3. Adjust GH 4SBO to balance and correct the 4th order distortion at both edges of the screen.
4. While tracking adjust GH 4PIN and GH 4SBO.



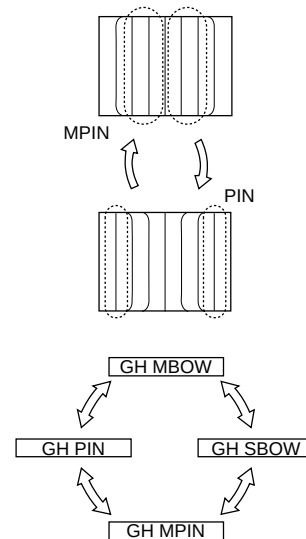
### GREEN HORIZONTAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Adjust GH MBOW, so that the pin asymmetry at both sides of the centre section are symmetrical left and right.
3. Adjust GH SBOW so that the bow at both edges of the screen is symmetrical left and right.
4. While tracking adjust GH MBOW and GH SBOW so that the bow of vertical lines over the entire screen is symmetrical.



### GREEN HORIZONTAL SYMMETRICAL PIN DISTORTION ADJUSTMENT

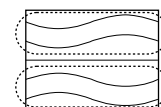
1. Receive the Internal pattern (crosshatch) signal.
2. Adjust GH MPIN to correct pin distortion at both edges of the centre section.
3. Use GH PIN to correct pin distortion at both edges of the screen.
4. While tracking adjust GH MPIN and GH PIN so that the PIN of vertical lines on the entire screen have no bowing.
5. If there is asymmetrical distortion after adjustments, readjust GH MBOW and GH SBOW while tracking.



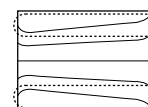
### GREEN VERTICAL WAVE (3RD-ORDER) DISTORTION ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Check the screen at the top & bottom, and look for any 2nd or 3rd order waveform distortion of horizontal lines. Correct with GV WAVW.
3. While tracking adjust GV WAVW and GV KEY, if there are any KEY distortion.

GV WAVW



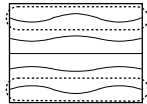
GV KEY



### GREEN VERTICAL 4TH ORDER DISTORTION ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. By using GV 4PIN, 4th-Order distortion of the horizontal lines at the top & bottom can be corrected.  
Since there is no 4SBO for vertical correction, there will be a slight imbalance, but adjust the registration to eliminate any distortion.

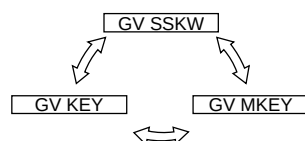
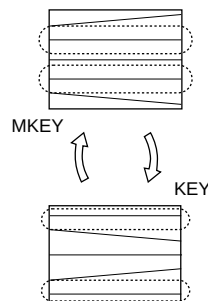
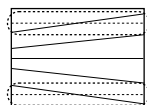
GV 4PIN



### GREEN VERTICAL TRAPEZOIDAL DISTORTION ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Adjust GV SSKW so that the tilt of the horizontal lines at the top and bottom of the screen are symmetrical.
3. Adjust GV MKEY so that there is no tilt for the middle section.
4. Adjust GV KEY so that there is no tilt at the top and bottom of the screen.
5. While tracking adjust GV MKEY and GV KEY, so that there is no tilt over the entire screen.
6. If the tilt is unbalanced after GV MKEY and GV KEY have been adjusted, readjust GV SSKW.

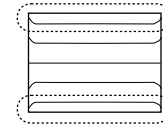
GV SSKW



### GREEN VERTICAL ASYMMETRICAL PIN DISTORTION (2ND-ORDER DISTORTION) ADJUSTMENT

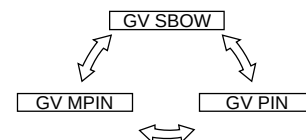
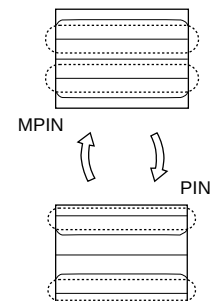
1. Receive the Internal pattern (crosshatch) signal.
2. Correct the asymmetrical pin distortion at the top and bottom of the screen with GV SBOW.

GV SBOW



### GREEN VERTICAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.
2. Using GV MPIN adjust the pin distortion at both edges of the screen and at the centre.
3. Using GV PIN, adjust, so that the horizontal lines at the top & bottom of the screen are straight lines.
4. Adjust GV MPIN & GV PIN so that there is no curve in the horizontal lines on the entire screen.
5. After adjusting the items above, using tracking with GV SBOW, GV MPIN, and GV PIN to correct the entire screen.



### RED REGISTRATION ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.  
GH GSEL = "00" (Green + Red)
2. Adjust so that the red lines lay on the green lines.  
Adjust, using the same procedure as the green sub item adjustment outline above.

Note : Main registration correction should not be while adjusting Red adjustment.

BEWARE : Not to change green sub items.  
It's easily done by mistake.

### BLUE ADJUSTMENT

1. Receive the Internal pattern (crosshatch) signal.  
BH BSEL = "00" (Blue + Green)
2. Adjust so that the blue lines lay on the green lines.  
Adjust, using the same procedure as the green sub item adjustment outline above.

Note : Main registration correction should not be while adjusting Blue adjustment.

BEWARE : Not to change green and red sub items.  
It's easily done by mistake.

### REGISTRATION DATA WRITE

1. After finish all PAL registration adjustments, write PAL registration data by pressing from the appropriate buttons.

DATA WRITE : Press "MUTE" + "0"

### DATA COPY FROM PAL TO NTSC

1. Copy PAL data to NTSC data by pressing from the appropriate buttons.

DATA COPY : Press "ON SCREEN DISPLAY" + "0"

2. Press "ON SCREEN DISPLAY" + "0" to copy data from PAL to NTSC.  
If you press "ON SCREEN DISPLAY", then it appears "Copy 5060" to display.

\* Make sure input signal is PAL. If input signal is NTSC and do this process, NTSC data are copied to PAL data !

### 4 : 3 MODE ADJUSTMENT

1. Receive the PAL SPCB signal.
2. Select 4 : 3 mode.  
Press "blue key" : 16 : 9 → 4 : 3
3. 4 : 3 mode adjustment are the same as 16 : 9 mode.

### AUTO CONVERGENCE PRESET

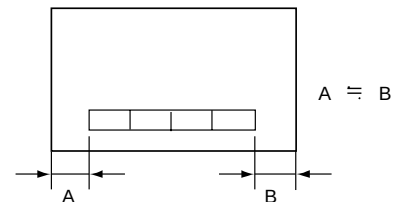
1. Set in the TT mode.
2. Press "AUTO CONVERGENCE" button on front panel.
3. Confirm convergence is the same condition as before.
4. Press "0" + "0" button on commander to exit from the TT mode.  
TT00 : Exit from the TT mode

### 6-3. HORIZONTAL POSITION ADJUSTMENT

1. Receive the PAL SPCB signal.
2. Select 4 : 3 mode.  
Press "blue key" : 16 : 9 → 4 : 3
3. Set in the service mode and select "Geometry".
4. Adjust "H position" so that the picture is displayed in the horizontal center of screen.

### 6-4. TEXT POSITION ADJUSTMENT

1. Receive the RF signal with teletext.  
Signal must have burst. Select full page text.
2. Set in the TT mode.
3. Press "1" + "4" (41PX1/41PX1K) or "7" + "4" (41PX1R) button on commander.  
TT14 : TEXT H POSITION adjustment (41PX1/41PX1K)  
TT74 : TEXT H POSITION adjustment (41PX1R)
4. Adjust H position of text.
5. Push "TV MODE" to exit.



With the joystick  :

◀ (Move the Left)

▶ (Move the Right)

## 6-5. WHITE BALANCE ADJUSTMENT

1. Receive the Monoscope signal.
2. Set in the service mode and select "Picture Adjustment".
3. Adjust "Sub Brightness" so that the signal 10 IRE section barely glows.
4. Receive the All-White pattern signal.
5. Adjust the white balance with "Green Cutoff" and "Blue Cutoff".
6. Adjust "Sub Brightness" so that the signal 100 IRE section barely glows.
7. Adjust the white balance with "Green Drive" and "Blue Drive".
8. Repeatedly adjust the white balance for the minimum and maximum picture setting.

## 6-6. SUB BRIGHTNESS ADJUSTMENT

1. Receive the Monoscope signal.
2. Set in the TT mode.
3. Press "①" + "③" (41PX1/41PX1K) or "②" + "③" (41PX1R) button on commander.  
TT13 : SUB BRIGHTNESS adjustment (41PX1/41PX1K)  
TT23 : SUB BRIGHTNESS adjustment (41PX1R)
4. Adjust sub brightness 0 IRE and 10 IRE border just appear point by "◀" or "▶" key of commander.

With the joystick ⏮⏭ :

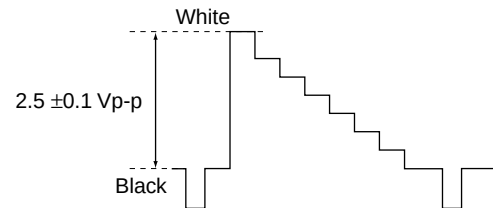
- ◀ (Down)
- ▶ (Up)

5. Decrease 3 steps from adjusted point.

## 6-7. SUB CONTRAST ADJUSTMENT

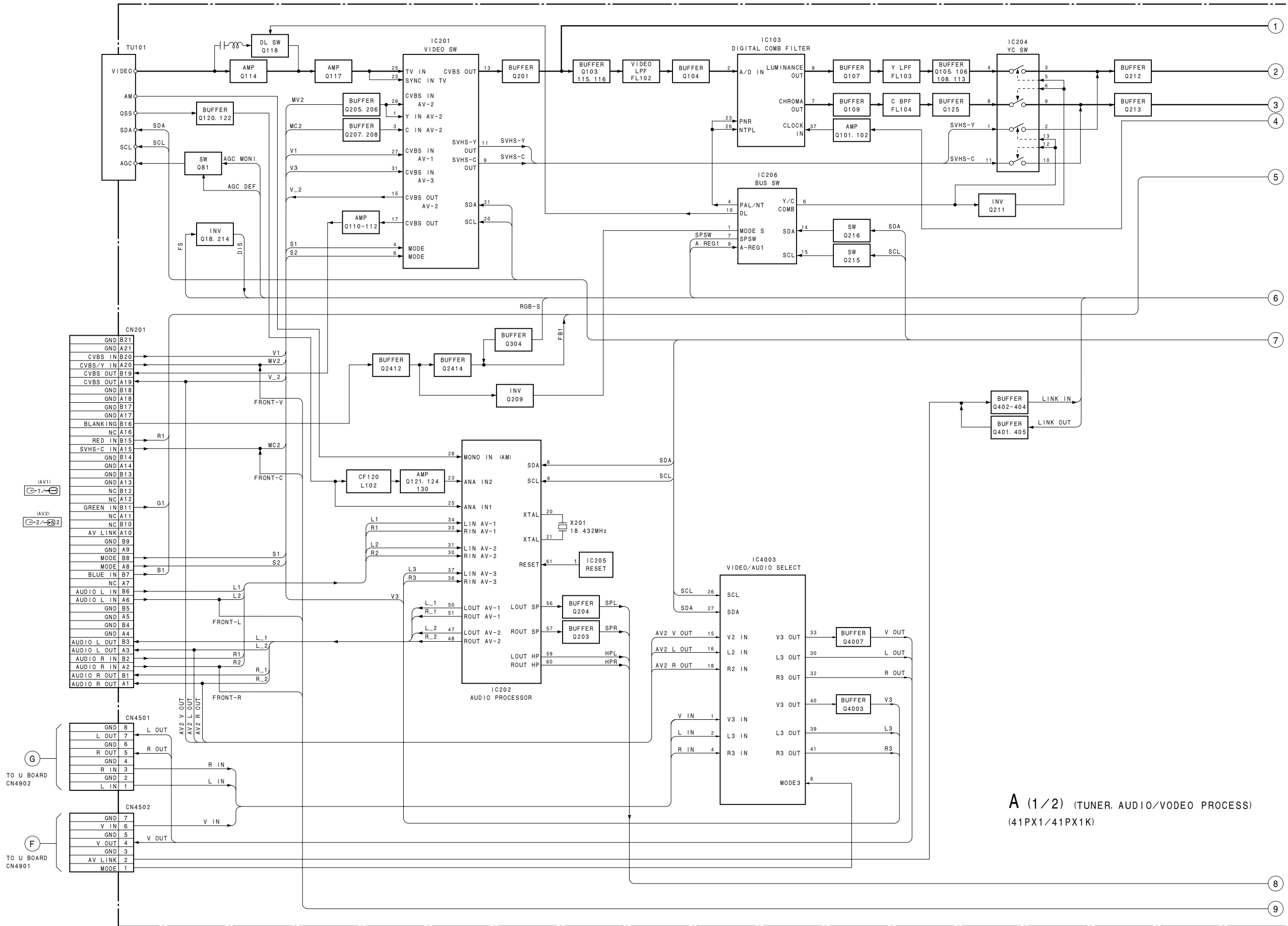
### (A or AE Board)

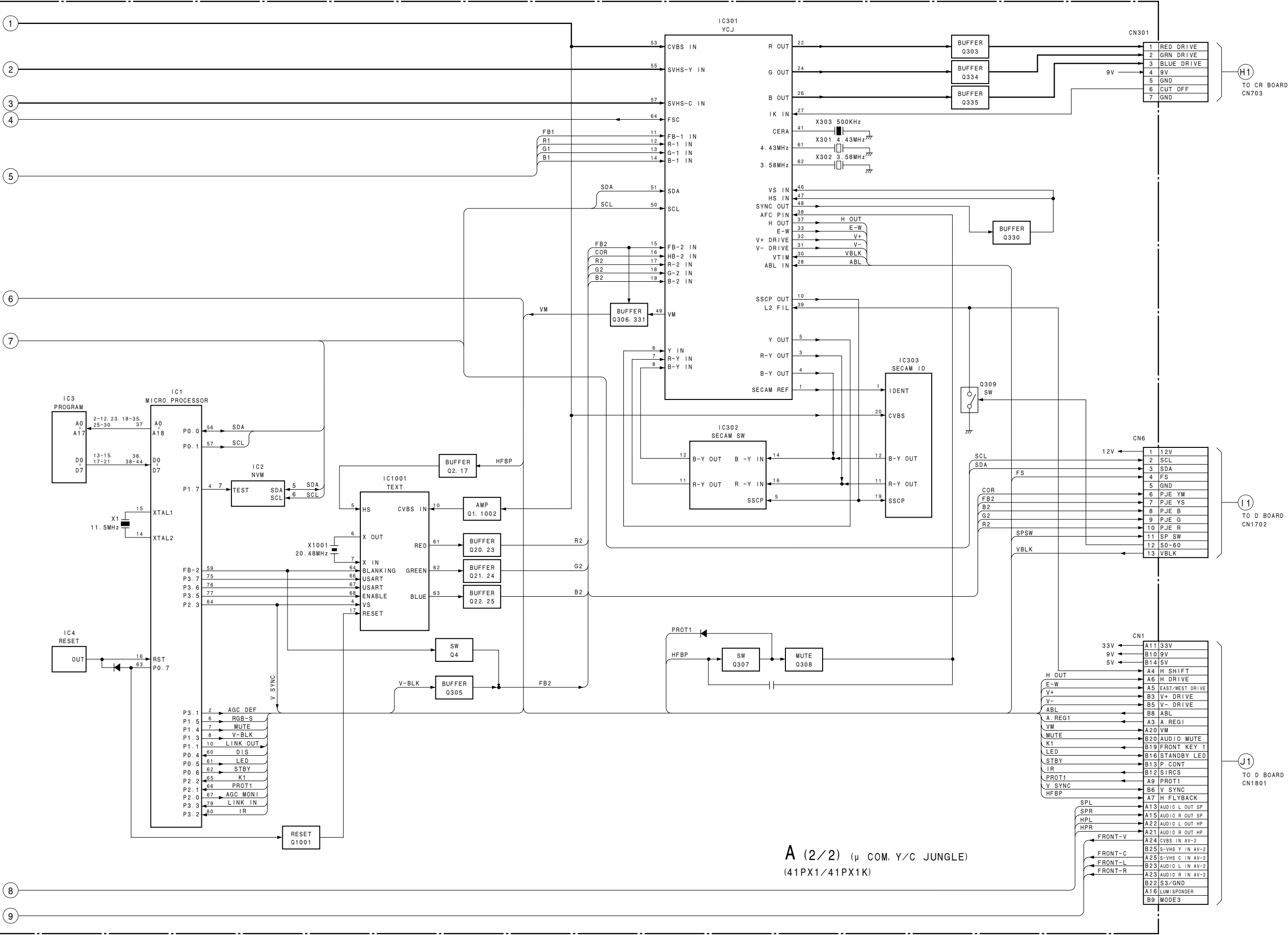
1. Receive the PAL video color bar signal.  
White 100%  
1 Vp-p / 75  $\Omega$  terminated.
2. Connect the external power supply to "ABL" and ground.  
A board CN1 ⑧⑧ pin (ABL) : 41PX1/41PX1K  
AE board CN1 ④⑨ pin (ABL) : 41PX1R
3. Connect the oscilloscope between CN301 ① pin (RED DRIVE) and ground.
4. Set PICTURE to maximum and COLOUR to minimum.
5. Set in the service mode and select "Picture Adjustment".
6. Supply DC 3.0 V from external power supply to "ABL".
7. Adjust "Sub Contrast" so that the level between black and white is  $2.5 \pm 0.1$  Vp-p.
8. Press "⏻ (MUTE)" + "⑩" button to write the data.



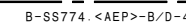
## 7-1. BLOCK DIAGRAMS



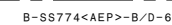


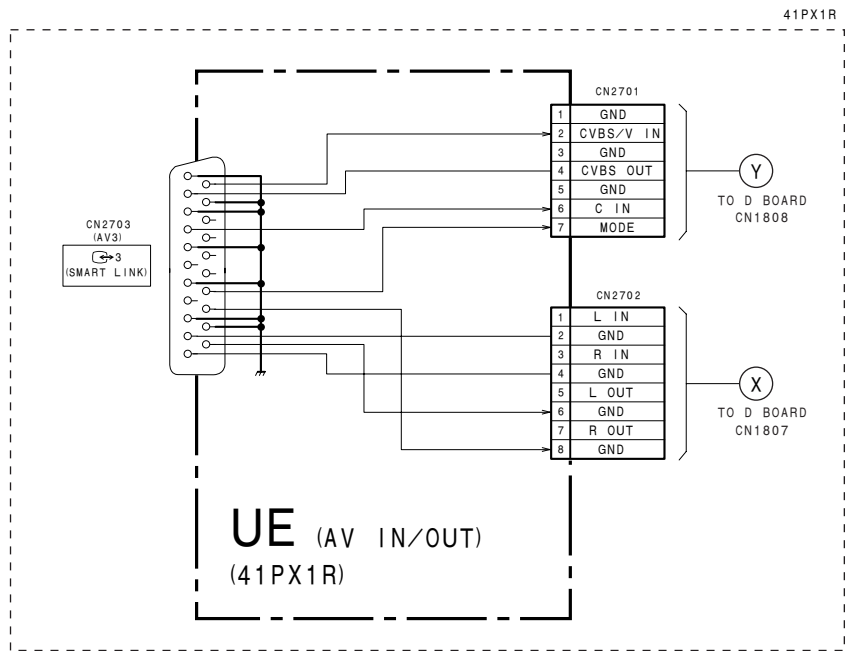
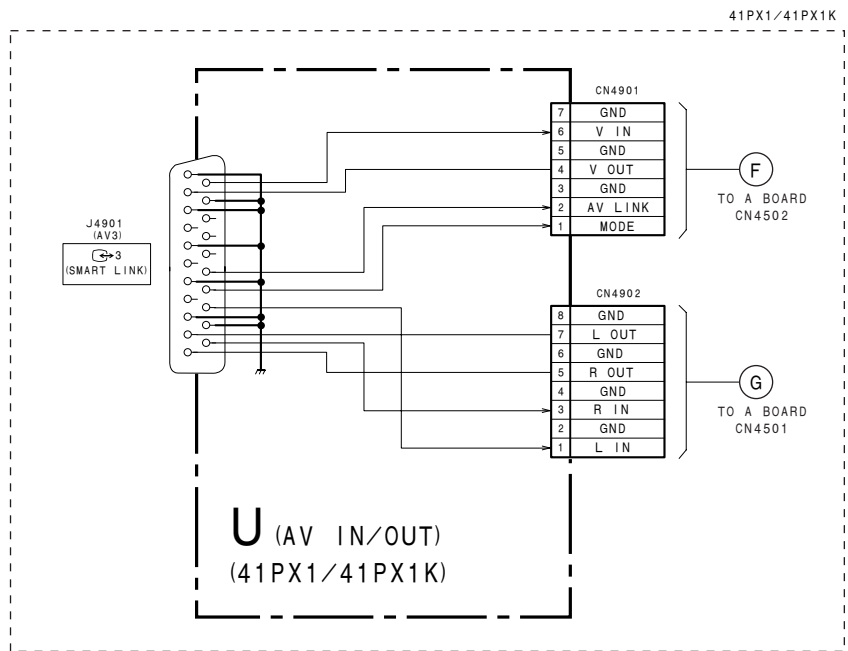
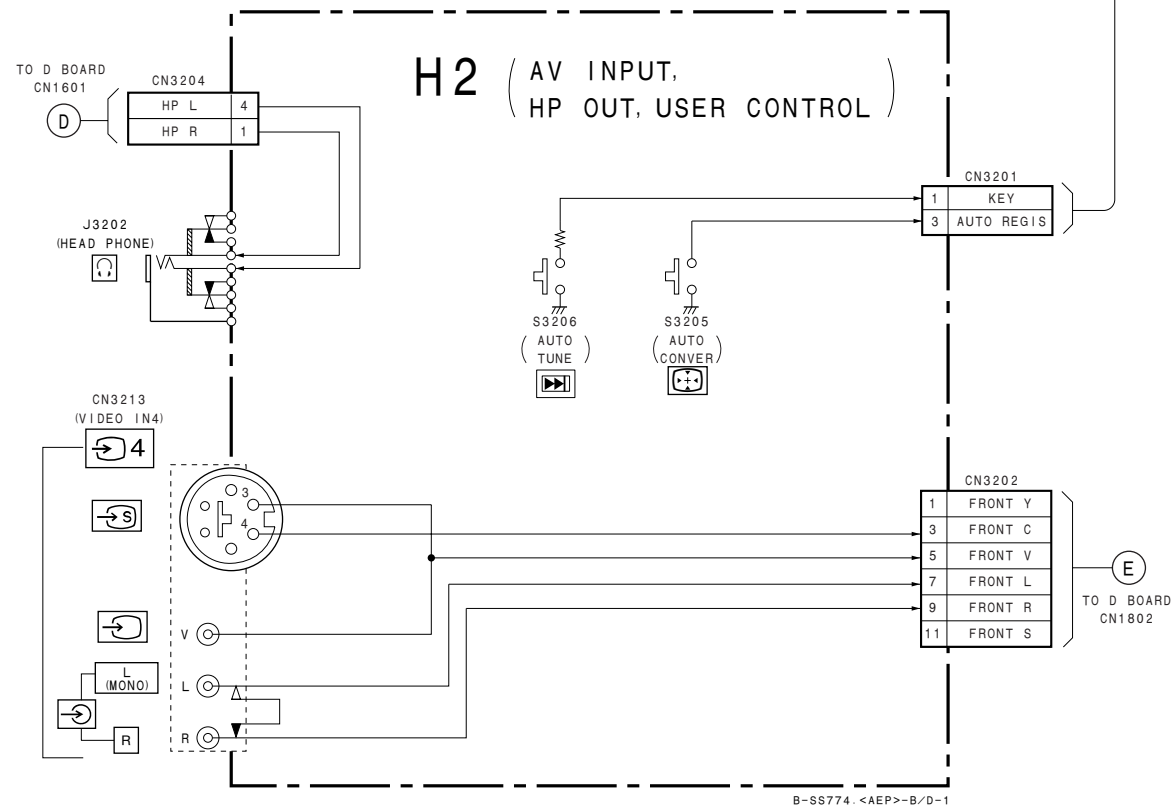
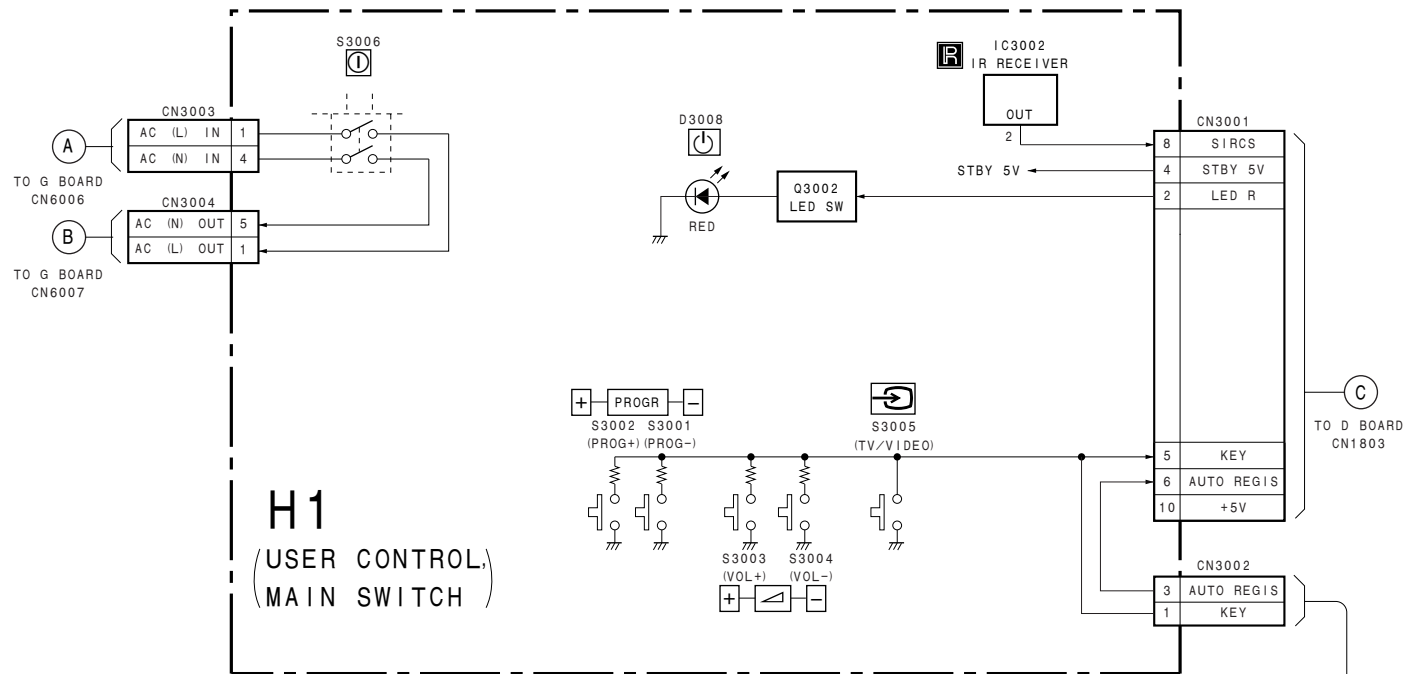


A (2/2) (μ COM, Y/C JUNGLE)  
(41PX1/41PX1K)

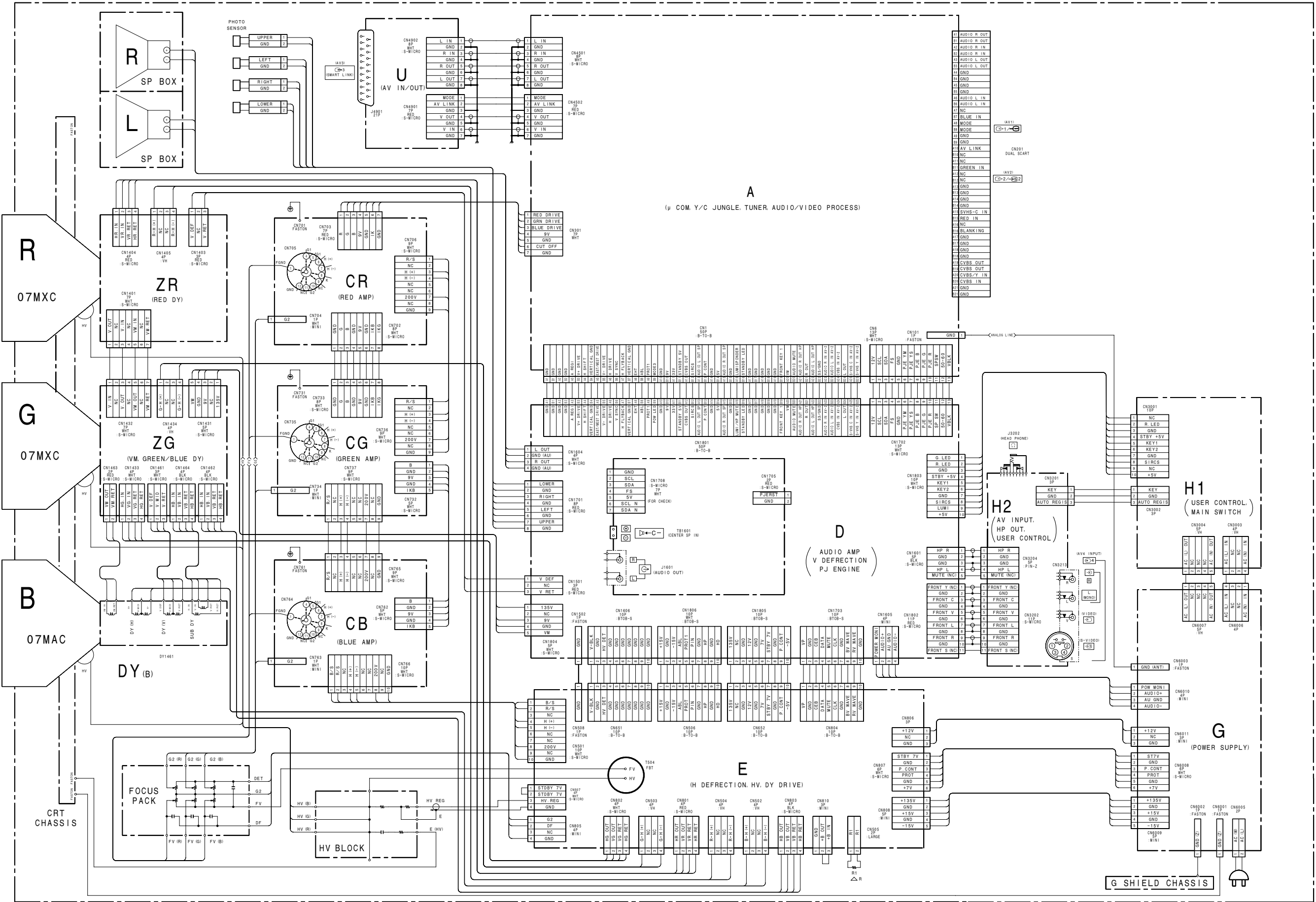






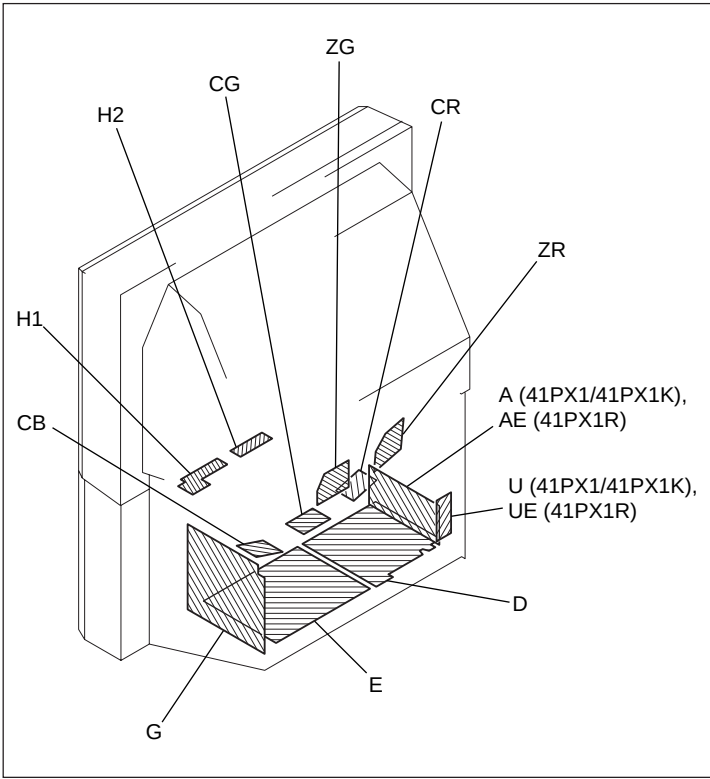


7-2. FRAME SCHEMATIC DIAGRAM (1) (41PX1/41PX1K)



B-SS800. <RUS>-KESSENZU-05

7-3. CIRCUIT BOARDS LOCATION



7-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- The parts marked “#” on schematic diagrams are not mounted.
- All capacitors are in  $\mu\text{F}$  unless otherwise noted. (pF:  $\mu\mu\text{F}$ ) Capacitors without voltage indication are all 50 V.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm  
Rating electrical power 1/4 W (CHIP : 1/10 W)

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- $\Delta$  : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- $\perp$  : earth-ground.
- : earth-chassis.
- All voltages are in V.
- Readings are taken with a 10 M digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- \* : Can not be measured.
- NO MARK: Common
- < >: SECAM
- ( ) : NTSC 3.58 MHz
- Circled numbers are waveform references.
- : B + bus.
- : B – bus.
- : Signal path.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. (See page 31)
- When replacing the part in below table, be sure to perform the related adjustment.

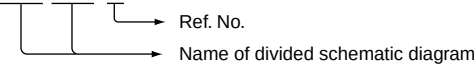
| Part Replaced (✕) |                   |                   |                      |                         |
|-------------------|-------------------|-------------------|----------------------|-------------------------|
| R1                |                   |                   |                      |                         |
| Part Replaced (▣) |                   |                   |                      |                         |
| E Board           | C515, L506, R517, | C516, Q502, T502, | C554, R1, T504 (FBT) | D504, D507, R514, R516, |
| G Board           | IC6005            |                   |                      |                         |

- Divided schematic diagram

Schematic diagrams of A, AE, D, and E boards are divided into several pieces. Information to where the line is to be connected is printed at the end of each line.

For example, [ TO A1/5,A2/5\_1 ] means the line is connected to Ref. No. 1 of A (1/5) and A (2/5) schematic diagrams.

TO A1/5,A2/5\_1



Reference information

|           |         |                          |
|-----------|---------|--------------------------|
| RESISTOR  | : RN    | METAL FILM               |
|           | : RC    | SOLID                    |
|           | : FPRD  | NONFLAMMABLE CARBON      |
|           | : FUSE  | NONFLAMMABLE FUSIBLE     |
|           | : RW    | NONFLAMMABLE WIREWOUND   |
| COIL      | : RS    | NONFLAMMABLE METAL OXIDE |
|           | : RB    | NONFLAMMABLE CEMENT      |
|           | : LF-8L | MICRO INDUCTOR           |
|           | : TA    | TANTALUM                 |
|           | : PS    | STYROL                   |
|           | : PP    | POLYPROPYLENE            |
|           | : PT    | MYLAR                    |
|           | : MPS   | METALIZED POLYESTER      |
|           | : MPP   | METALIZED POLYPROPYLENE  |
|           | : ALB   | BIPOLAR                  |
| CAPACITOR | : ALT   | HIGH TEMPERATURE         |
|           | : ALR   | HIGH RIPPLE              |

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Terminal name of semiconductors in silk screen printed circuit (✕)

|   | Device                 | Printed symbol | Terminal name                        | Circuit |
|---|------------------------|----------------|--------------------------------------|---------|
| ① | Transistor             |                | Collector<br>Base<br>Emitter         |         |
| ② | Transistor             |                | Collector<br>Base<br>Emitter         |         |
| ③ | Diode                  |                | Cathode<br>Anode                     |         |
| ④ | Diode                  |                | Cathode<br>Anode (NC)                |         |
| ⑤ | Diode                  |                | Cathode<br>Anode (NC)                |         |
| ⑥ | Diode                  |                | Common<br>Anode<br>Cathode           |         |
| ⑦ | Diode                  |                | Common<br>Anode<br>Cathode           |         |
| ⑧ | Diode                  |                | Common<br>Anode<br>Anode             |         |
| ⑨ | Diode                  |                | Common<br>Anode<br>Anode             |         |
| ⑩ | Diode                  |                | Common<br>Cathode<br>Cathode         |         |
| ⑪ | Diode                  |                | Common<br>Cathode<br>Cathode         |         |
| ⑫ | Diode                  |                | Anode<br>Anode<br>Cathode<br>Cathode |         |
| ⑬ | Transistor (FET)       |                | Drain<br>Source<br>Gate              |         |
| ⑭ | Transistor (FET)       |                | Drain<br>Source<br>Gate              |         |
| ⑮ | Transistor (FET)       |                | Source<br>Drain<br>Gate              |         |
| ⑯ | Transistor             |                | Emitter<br>Collector<br>Base         |         |
| ⑰ | Transistor             |                | C2 B1 E1<br>E2 B2 C1                 |         |
| ⑱ | Transistor             |                | C1 B2 E2<br>E1 B1 C2                 |         |
| ⑲ | Transistor             |                | C1 B2 E2<br>E1 B1 C2                 |         |
| ⑳ | Transistor             |                | C1 B2 E2<br>E1 B1 C2                 |         |
| ㉑ | Transistor             |                | E2 B1 E1<br>C2 C1(B2)                |         |
| ㉒ | Transistor             |                | (B2)<br>B1 E1 E2<br>C1 C2            |         |
| ㉓ | Transistor             |                | (B2)<br>E2 E1 B1<br>C2 C1            |         |
| — | Discrete semiconductot |                |                                      |         |

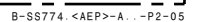
(Chip semiconductors that are not actually used are included.)

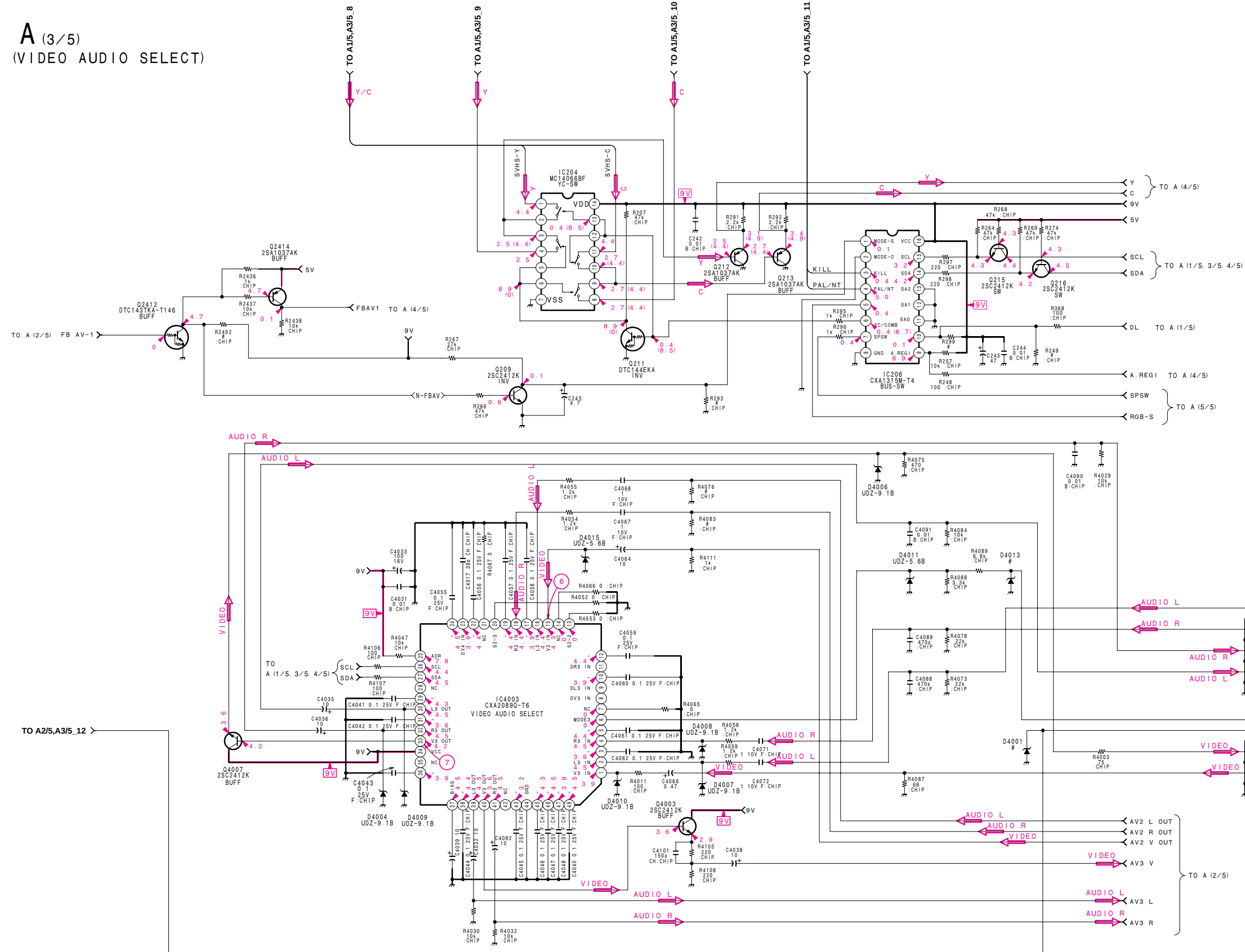
Ver.1.5

The schematic diagram illustrates the internal circuitry of a television receiver, focusing on the tuner and digital comb filter sections. The top portion of the diagram shows the tuner section, which includes a tuner IC (TU101) and various associated components like capacitors and resistors. The middle section details the video and audio processing, featuring a video switch (CXA2040A) and a digital comb filter (CXD2064G). The bottom section shows the digital comb filter and its associated components. The diagram is densely packed with component values, part numbers, and signal labels, providing a comprehensive view of the receiver's internal electronics.

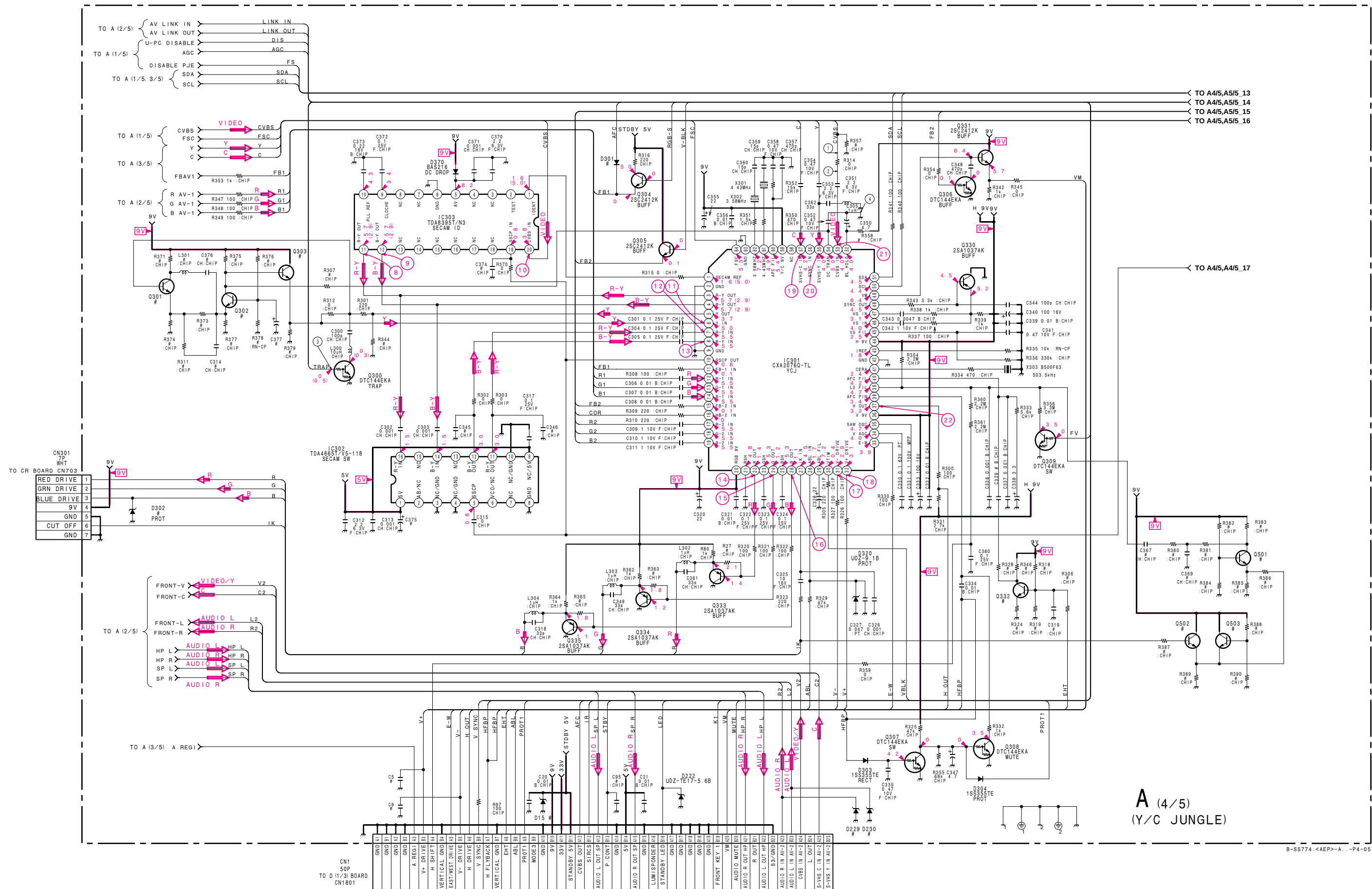
**Key Components and Labels:**

- Tuner Section:** TU101 (Tuner), TU101 BTF-FC411, various capacitors (C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C197, C198, C199, C200, C201, C202, C203, C204, C205, C206, C207, C208, C209, C210, C211, C212, C213, C214, C215, C216, C217, C218, C219, C220, C221, C222, C223, C224, C225, C226, C227, C228, C229, C230, C231, C232, C233, C234, C235, C236, C237, C238, C239, C240, C241, C242, C243, C244, C245, C246, C247, C248, C249, C250, C251, C252, C253, C254, C255, C256, C257, C258, C259, C260, C261, C262, C263, C264, C265, C266, C267, C268, C269, C270, C271, C272, C273, C274, C275, C276, C277, C278, C279, C280, C281, C282, C283, C284, C285, C286, C287, C288, C289, C290, C291, C292, C293, C294, C295, C296, C297, C298, C299, C300, C301, C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C312, C313, C314, C315, C316, C317, C318, C319, C320, C321, C322, C323, C324, C325, C326, C327, C328, C329, C330, C331, C332, C333, C334, C335, C336, C337, C338, C339, C340, C341, C342, C343, C344, C345, C346, C347, C348, C349, C350, C351, C352, C353, C354, C355, C356, C357, C358, C359, C360, C361, C362, C363, C364, C365, C366, C367, C368, C369, C370, C371, C372, C373, C374, C375, C376, C377, C378, C379, C380, C381, C382, C383, C384, C385, C386, C387, C388, C389, C390, C391, C392, C393, C394, C395, C396, C397, C398, C399, C400, C401, C402, C403, C404, C405, C406, C407, C408, C409, C410, C411, C412, C413, C414, C415, C416, C417, C418, C419, C420, C421, C422, C423, C424, C425, C426, C427, C428, C429, C430, C431, C432, C433, C434, C435, C436, C437, C438, C439, C440, C441, C442, C443, C444, C445, C446, C447, C448, C449, C450, C451, C452, C453, C454, C455, C456, C457, C458, C459, C460, C461, C462, C463, C464, C465, C466, C467, C468, C469, C470, C471, C472, C473, C474, C475, C476, C477, C478, C479, C480, C481, C482, C483, C484, C485, C486, C487, C488, C489, C490, C491, C492, C493, C494, C495, C496, C497, C498, C499, C500, C501, C502, C503, C504, C505, C506, C507, C508, C509, C510, C511, C512, C513, C514, C515, C516, C517, C518, C519, C520, C521, C522, C523, C524, C525, C526, C527, C528, C529, C530, C531, C532, C533, C534, C535, C536, C537, C538, C539, C540, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550, C551, C552, C553, C554, C555, C556, C557, C558, C559, C560, C561, C562, C563, C564, C565, C566, C567, C568, C569, C570, C571, C572, C573, C574, C575, C576, C577, C578, C579, C580, C581, C582, C583, C584, C585, C586, C587, C588, C589, C590, C591, C592, C593, C594, C595, C596, C597, C598, C599, C600, C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625, C626, C627, C628, C629, C630, C631, C632, C633, C634, C635, C636, C637, C638, C639, C640, C641, C642, C643, C644, C645, C646, C647, C648, C649, C650, C651, C652, C653, C654, C655, C656, C657, C658, C659, C660, C661, C662, C663, C664, C665, C666, C667, C668, C669, C670, C671, C672, C673, C674, C675, C676, C677, C678, C679, C680, C681, C682, C683, C684, C685, C686, C687, C688, C689, C690, C691, C692, C693, C694, C695, C696, C697, C698, C699, C700, C701, C702, C703, C704, C705, C706, C707, C708, C709, C710, C711, C712, C713, C714, C715, C716, C717, C718, C719, C720, C721, C722, C723, C724, C725, C726, C727, C728, C729, C730, C731, C732, C733, C734, C735, C736, C737, C738, C739, C740, C741, C742, C743, C744, C745, C746, C747, C748, C749, C750, C751, C752, C753, C754, C755, C756, C757, C758, C759, C760, C761, C762, C763, C764, C765, C766, C767, C768, C769, C770, C771, C772, C773, C774, C775, C776, C777, C778, C779, C780, C781, C782, C783, C784, C785, C786, C787, C788, C789, C790, C791, C792, C793, C794, C795, C796, C797, C798, C799, C800, C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C812, C813, C814, C815, C816, C817, C818, C819, C820, C821, C822, C823, C824, C825, C826, C827, C828, C829, C830, C831, C832, C833, C834, C835, C836, C837, C838, C839, C840, C841, C842, C843, C844, C845, C846, C847, C848, C849, C850, C851, C852, C853, C854, C855, C856, C857, C858, C859, C860, C861, C862, C863, C864, C865, C866, C867, C868, C869, C870, C871, C872, C873, C874, C875, C876, C877, C878, C879, C880, C881, C882, C883, C884, C885, C886, C887, C888, C8





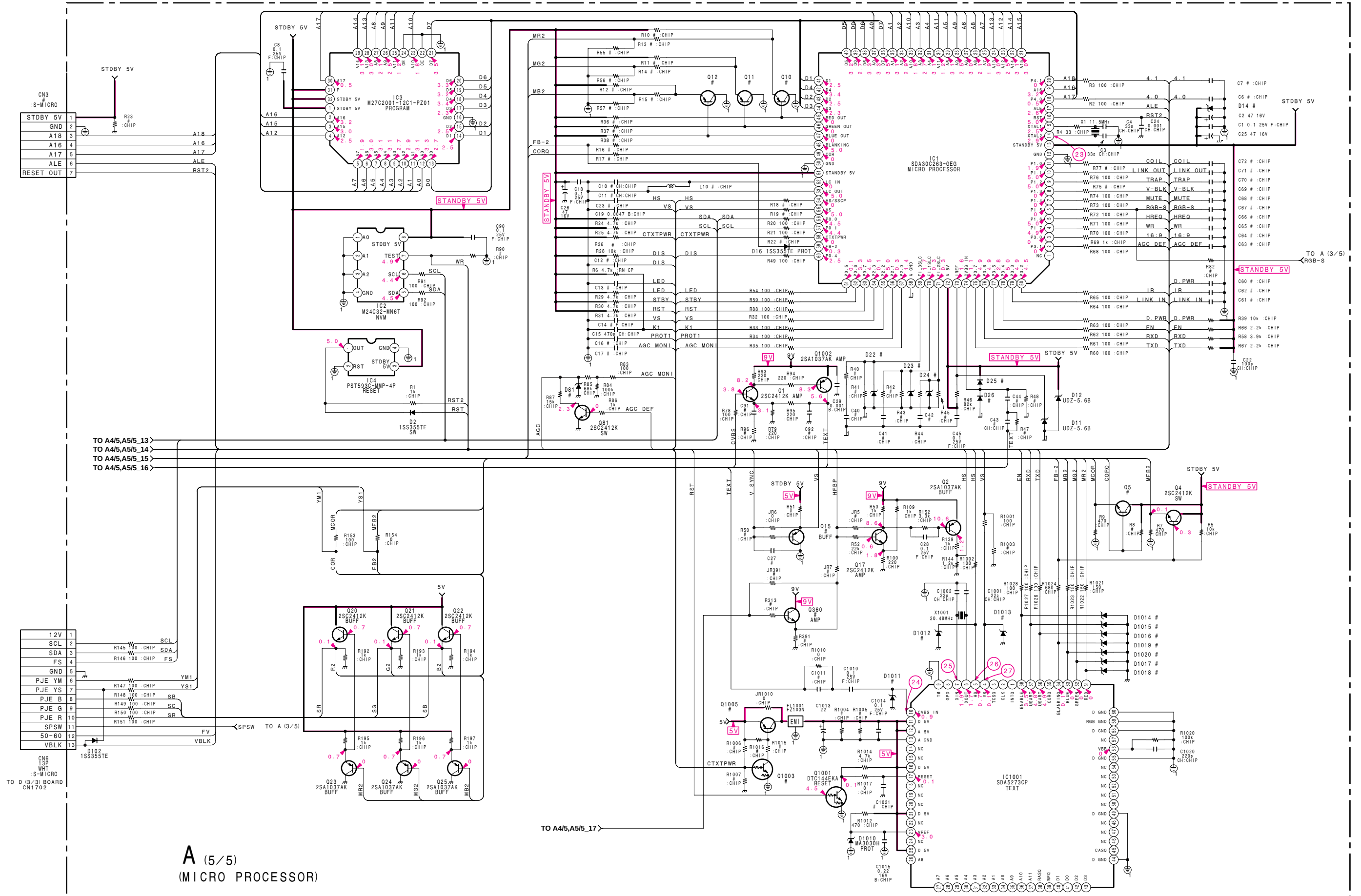
(4) Schematic Diagram of A (4/5) Board (41PX1/41PX1K)



(5) Schematic Diagram of A (5/5) Board (41PX1/41PX1K)

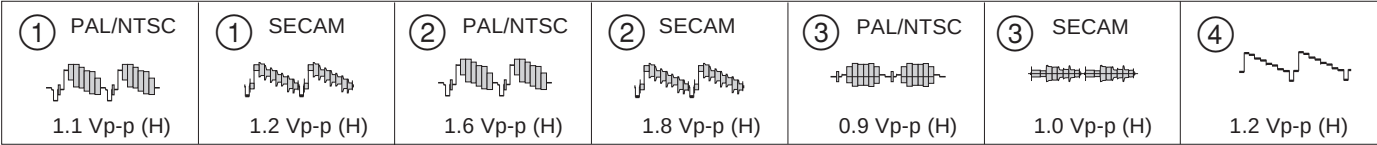
KP-41PX1/41PX1K/41PX1R

RM-892 RM-892 RM-862

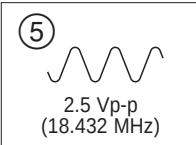


A (5/5)  
(MICRO PROCESSOR)

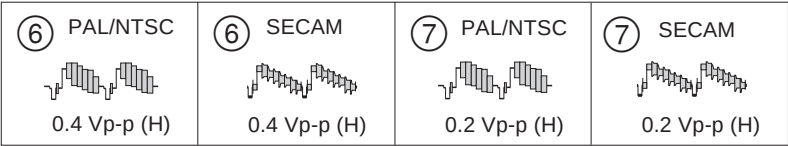
• A (1/5) BOARD WAVEFORMS (41PX1/41PX1K)



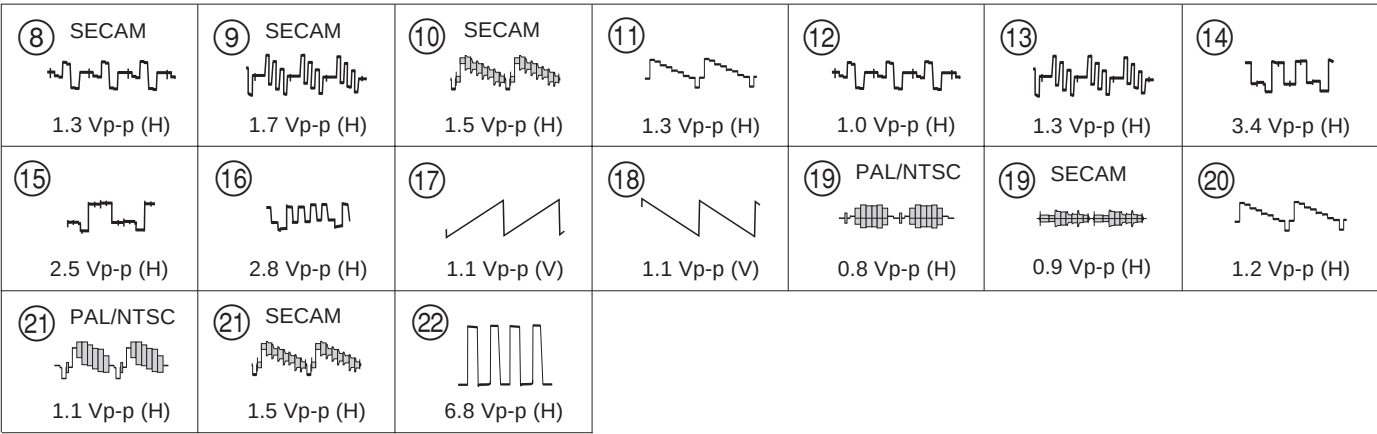
• A (2/5) BOARD WAVEFORM (41PX1/41PX1K)



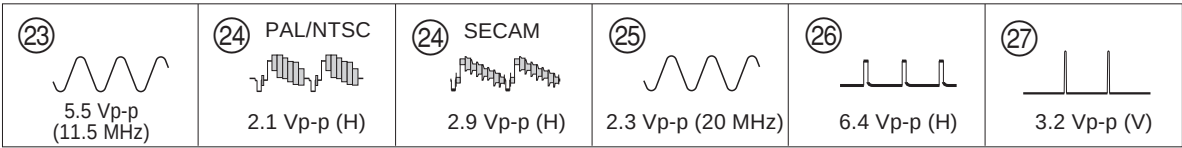
• A (3/5) BOARD WAVEFORMS (41PX1/41PX1K)



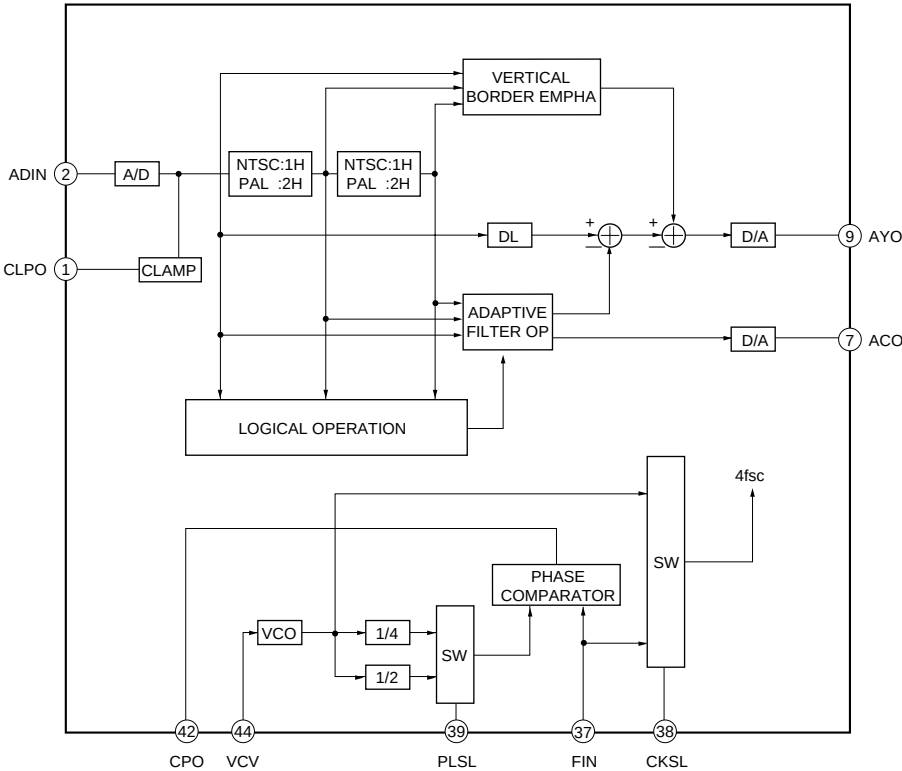
• A (4/5) BOARD WAVEFORMS (41PX1/41PX1K)



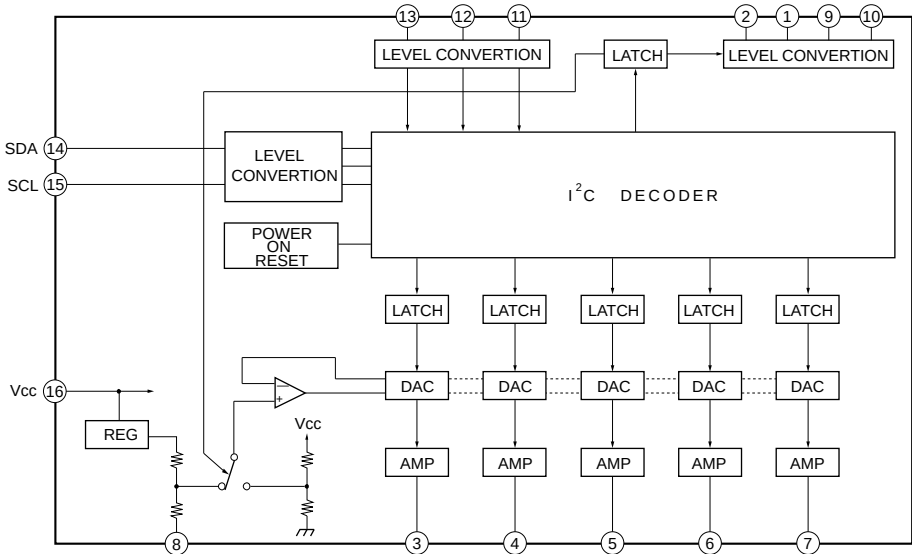
• A (5/5) BOARD WAVEFORMS (41PX1/41PX1K)



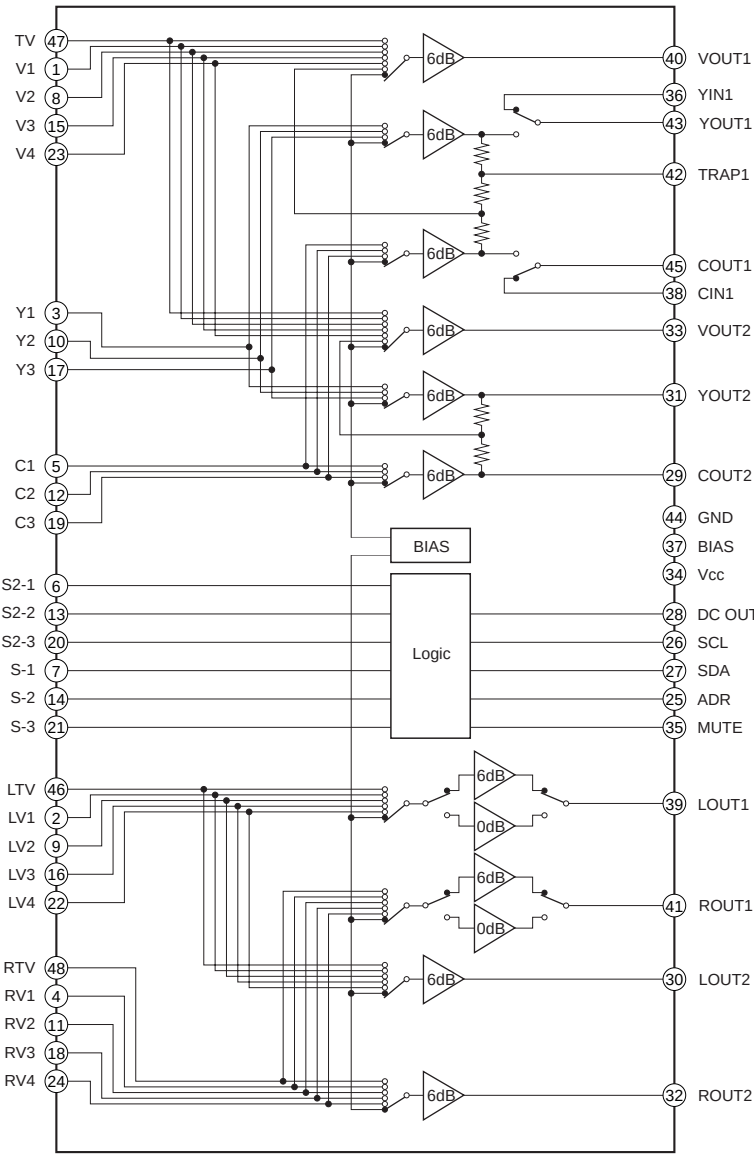
• A (1/5) BOARD IC103 (41PX1/41PX1K)  
CXD2064Q



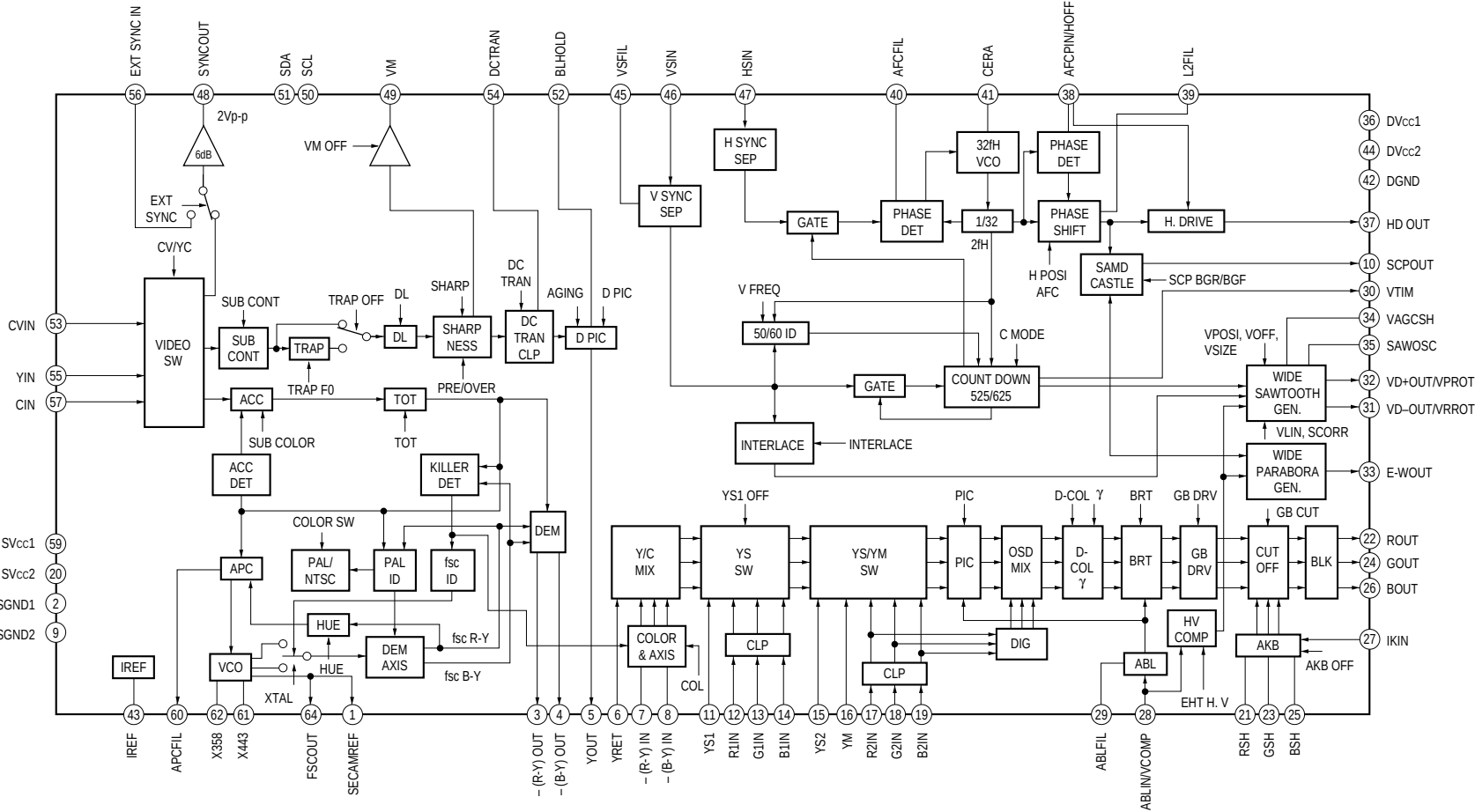
• A (3/5) BOARD IC206 (41PX1/41PX1K)  
CXA1315M



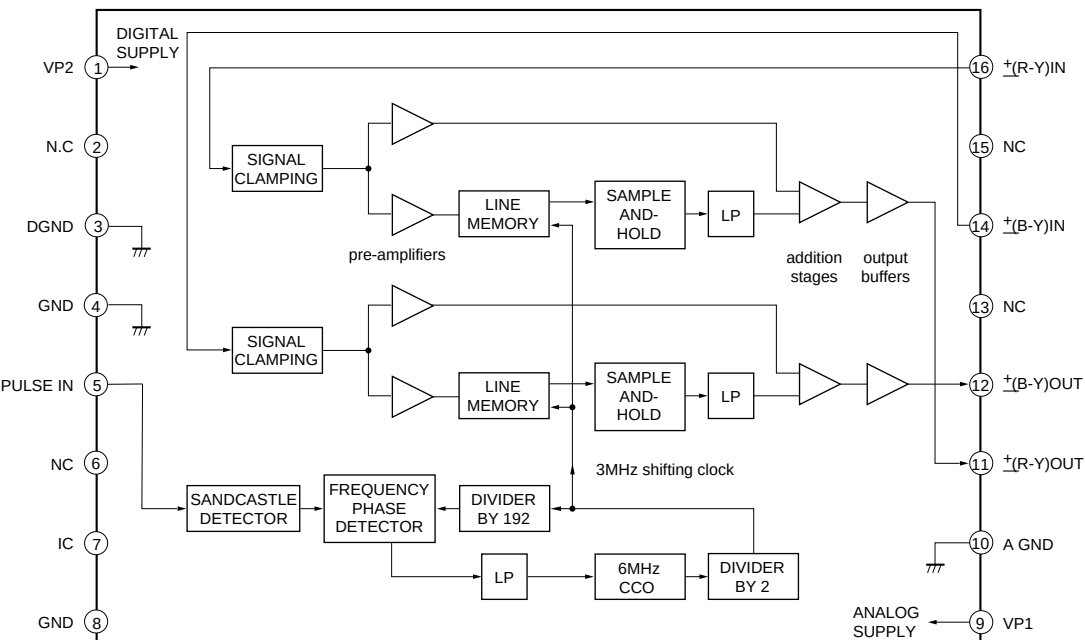
• A (3/5) BOARD IC4003 (41PX1/41PX1K)  
CXA2089Q



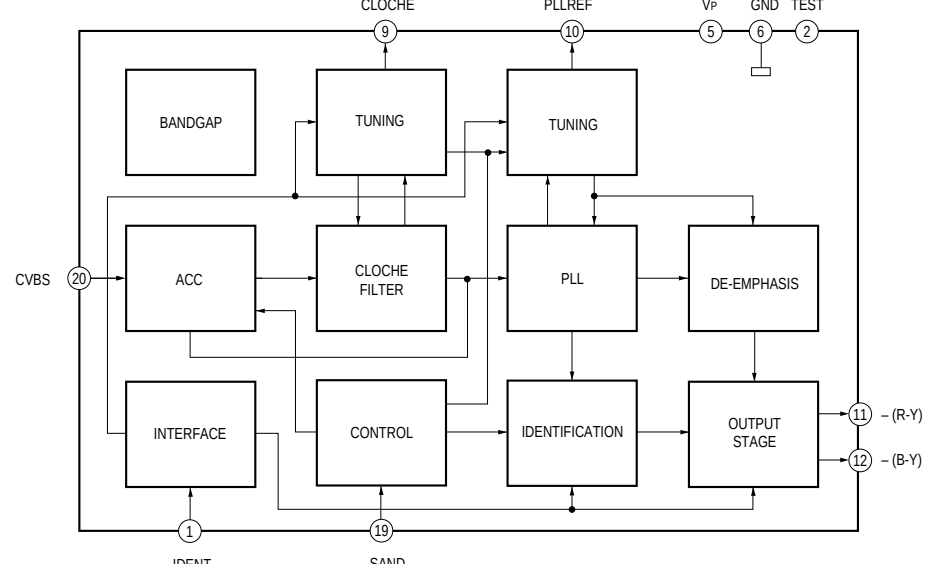
• A (4/5) BOARD IC301 (41PX1/41PX1K)  
CXA2076Q

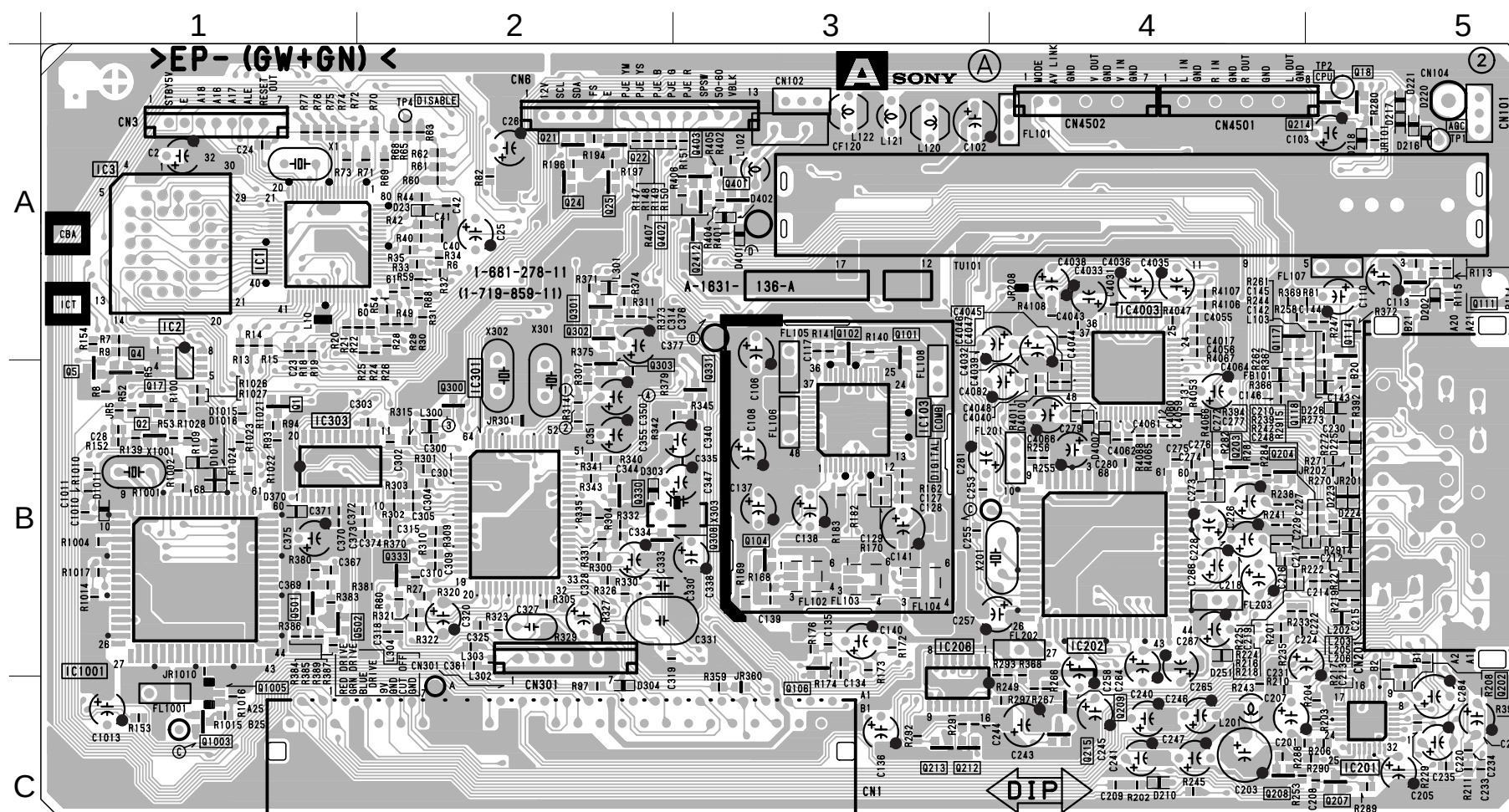


• A (4/5) BOARD IC302 (41PX1/41PX1K)  
TDA4665T



• A (4/5) BOARD IC303 (41PX1/41PX1K)  
TDA8395T



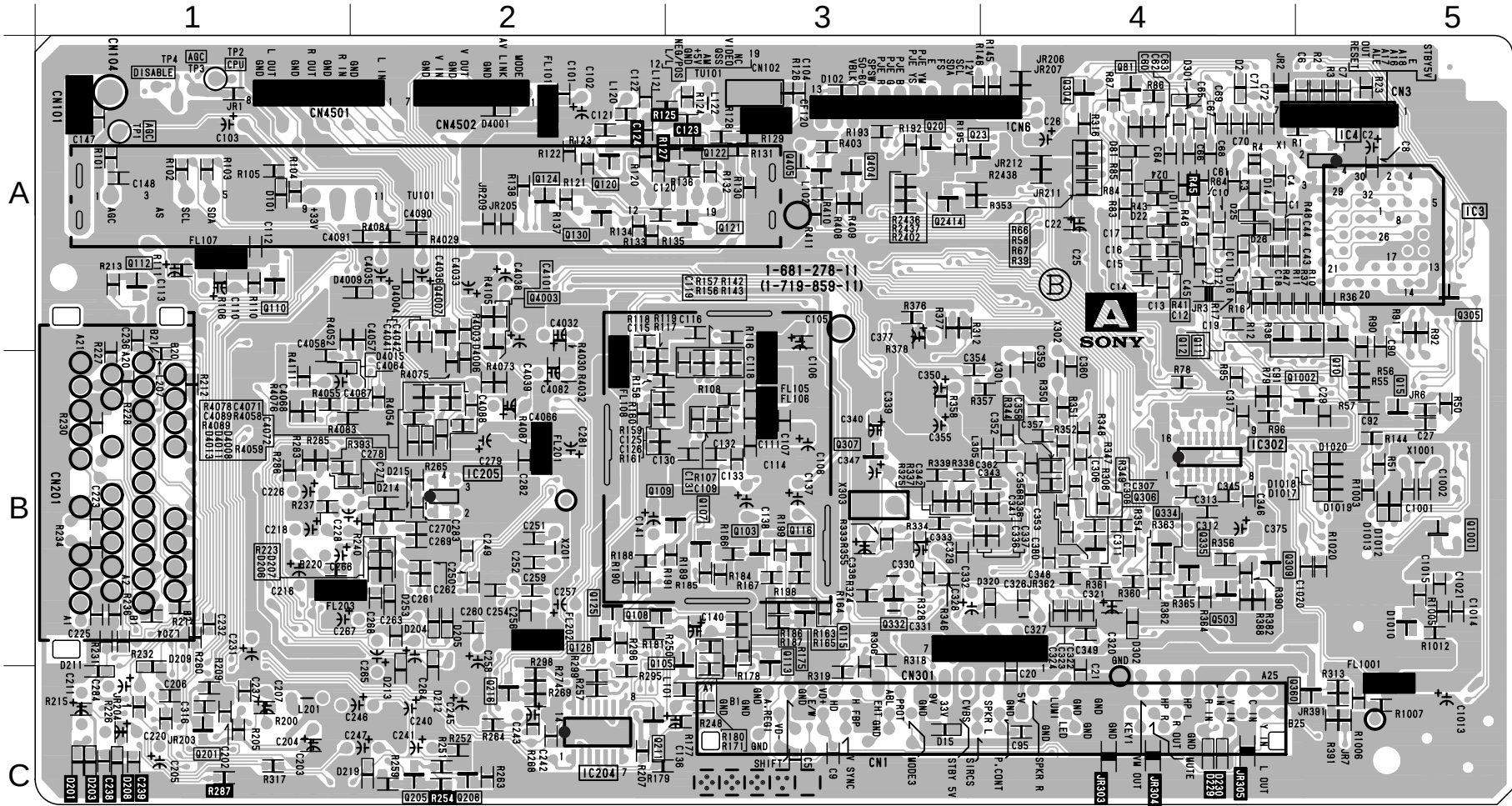


|            |     |      |          |     |     |
|------------|-----|------|----------|-----|-----|
| IC         |     |      | Q300     | B-2 | (2) |
|            |     |      | Q308     | B-2 | (2) |
| IC1        | A-1 | (2)  | Q330     | B-2 | (2) |
| IC2        | A-1 | (2)  | Q331     | B-3 | (2) |
| IC3        | A-1 | (2)  | Q333     | B-2 | (2) |
| IC103      | B-3 | (2)  | Q401     | A-3 | (2) |
| IC201      | C-5 | (2)  | Q402     | A-3 | (2) |
| IC202      | B-4 | (2)  | Q403     | A-3 | (2) |
| IC206      | B-3 | (2)  | Q2412    | A-3 | (2) |
| IC301      | B-2 | (2)  | DIODE    |     |     |
| IC303      | B-1 | (2)  |          |     |     |
| IC1001     | B-1 | (2)  | *<br>(3) |     |     |
| IC4003     | A-4 | (2)  |          |     |     |
| TRANSISTOR |     |      | D202     | A-5 | (3) |
|            |     |      | D210     | C-4 | (3) |
| *          |     |      | D216     | A-5 | (3) |
|            |     |      | D217     | A-5 | (3) |
| Q1         | B-1 | (2)  | D218     | A-5 | (3) |
| Q2         | B-1 | (2)  | D220     | A-5 | (3) |
| Q4         | B-1 | (2)  | D221     | A-5 | (3) |
| Q17        | B-1 | (2)  | D223     | B-5 | (3) |
| Q18        | A-5 | (2)  | D224     | B-5 | (3) |
| Q21        | A-2 | (2)  | D225     | B-5 | (3) |
| Q22        | A-2 | (2)  | D226     | B-5 | (3) |
| Q24        | A-2 | (2)  | D251     | B-4 | (3) |
| Q25        | A-2 | (2)  | D303     | B-2 | (3) |
| Q101       | A-3 | (2)  | D304     | C-2 | (3) |
| Q102       | A-3 | (2)  | D370     | B-1 | (3) |
| Q104       | B-3 | (2)  | D401     | A-3 | (3) |
| Q106       | B-3 | (2)  | D402     | A-3 | (3) |
| Q111       | A-5 | (2)  | D4007    | B-4 | (3) |
| Q114       | A-5 | (2)  | D4010    | B-4 | (3) |
| Q117       | A-4 | (2)  | CRYSTAL  |     |     |
| Q118       | B-4 | (15) |          |     |     |
| Q203       | B-4 | (2)  | X1       | A-1 | (2) |
| Q204       | B-4 | (2)  | X201     | B-4 | (2) |
| Q207       | C-5 | (2)  | X301     | A-2 | (2) |
| Q208       | C-4 | (2)  | X302     | A-2 | (2) |
| Q209       | C-4 | (2)  | X303     | B-3 | (2) |
| Q212       | C-3 | (2)  | X1001    | B-1 | (2) |
| Q213       | C-3 | (2)  |          |     |     |
| Q214       | A-5 | (2)  |          |     |     |
| Q215       | C-4 | (2)  |          |     |     |

- 62 -

**A** [ μ COM, Y/C JUNGLE, TUNER, AUDIO/VIDEO PROCESS ]

— A BOARD (Conductor Side) — (41PX1/41PX1K)

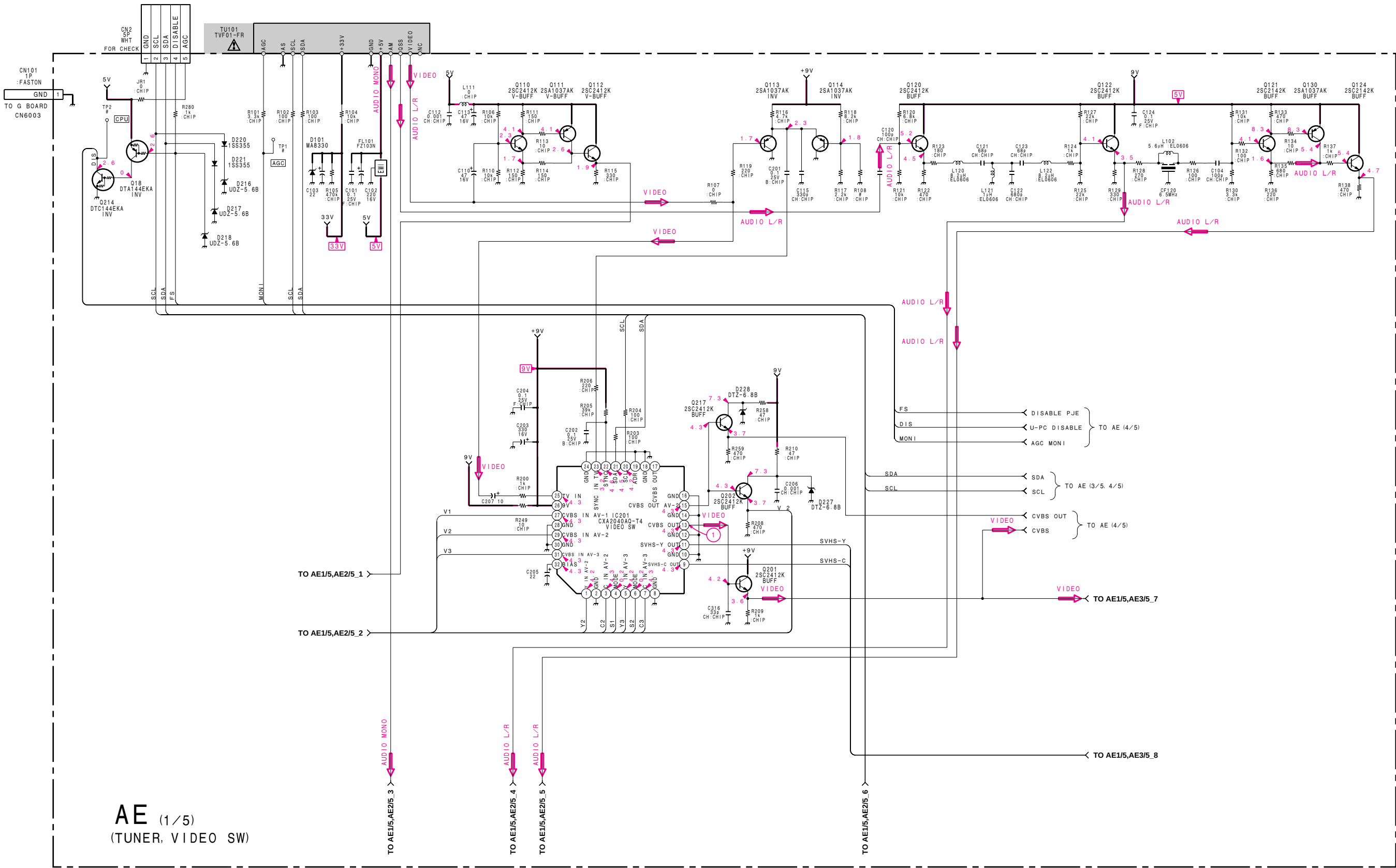


• A BOARD SEMICONDUCTOR LOCATION (Conductor Side)

| IC         |  | Q1002 | B-5 | ① |
|------------|--|-------|-----|---|
| IC3        |  | A-5   |     | ① |
| IC4        |  | A-5   |     | ① |
| IC204      |  | C-2   |     |   |
| IC205      |  | B-2   |     |   |
| IC302      |  | B-4   |     |   |
| DIODE      |  |       |     |   |
| TRANSISTOR |  |       |     |   |
|            |  | D2    | A-4 | ③ |
|            |  | D11   | A-4 | ③ |
|            |  | D12   | A-4 | ③ |
|            |  | D16   | A-4 | ③ |
|            |  | D101  | A-1 | ③ |
|            |  | D102  | A-3 | ③ |
|            |  | D201  | C-1 | ③ |
|            |  | D203  | C-1 | ③ |
|            |  | D204  | B-2 | ③ |
|            |  | D205  | B-2 | ③ |
|            |  | D206  | B-2 | ③ |
|            |  | D207  | B-2 | ③ |
|            |  | D208  | C-1 | ③ |
|            |  | D209  | B-1 | ③ |
|            |  | D211  | C-1 | ③ |
|            |  | D212  | C-2 | ③ |
|            |  | D213  | C-2 | ③ |
|            |  | D214  | B-2 | ③ |
|            |  | D215  | B-2 | ③ |
|            |  | D320  | B-4 | ③ |
|            |  | D1010 | B-5 | ④ |
|            |  | D4004 | A-2 | ③ |
|            |  | D4006 | B-2 | ③ |
|            |  | D4008 | B-2 | ③ |
|            |  | D4009 | A-2 | ③ |
|            |  | D4011 | B-2 | ③ |
|            |  | D4015 | B-1 | ③ |
| CRYSTAL    |  |       |     |   |
|            |  | X1    | A-4 |   |
|            |  | X201  | B-2 |   |
|            |  | X301  | B-4 |   |
|            |  | X302  | B-4 |   |
|            |  | X303  | B-3 |   |
|            |  | X1001 | B-5 |   |

※: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 54)

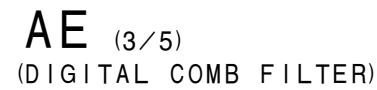
(6) Schematic Diagram of AE (1/5) Board (41PX1R)

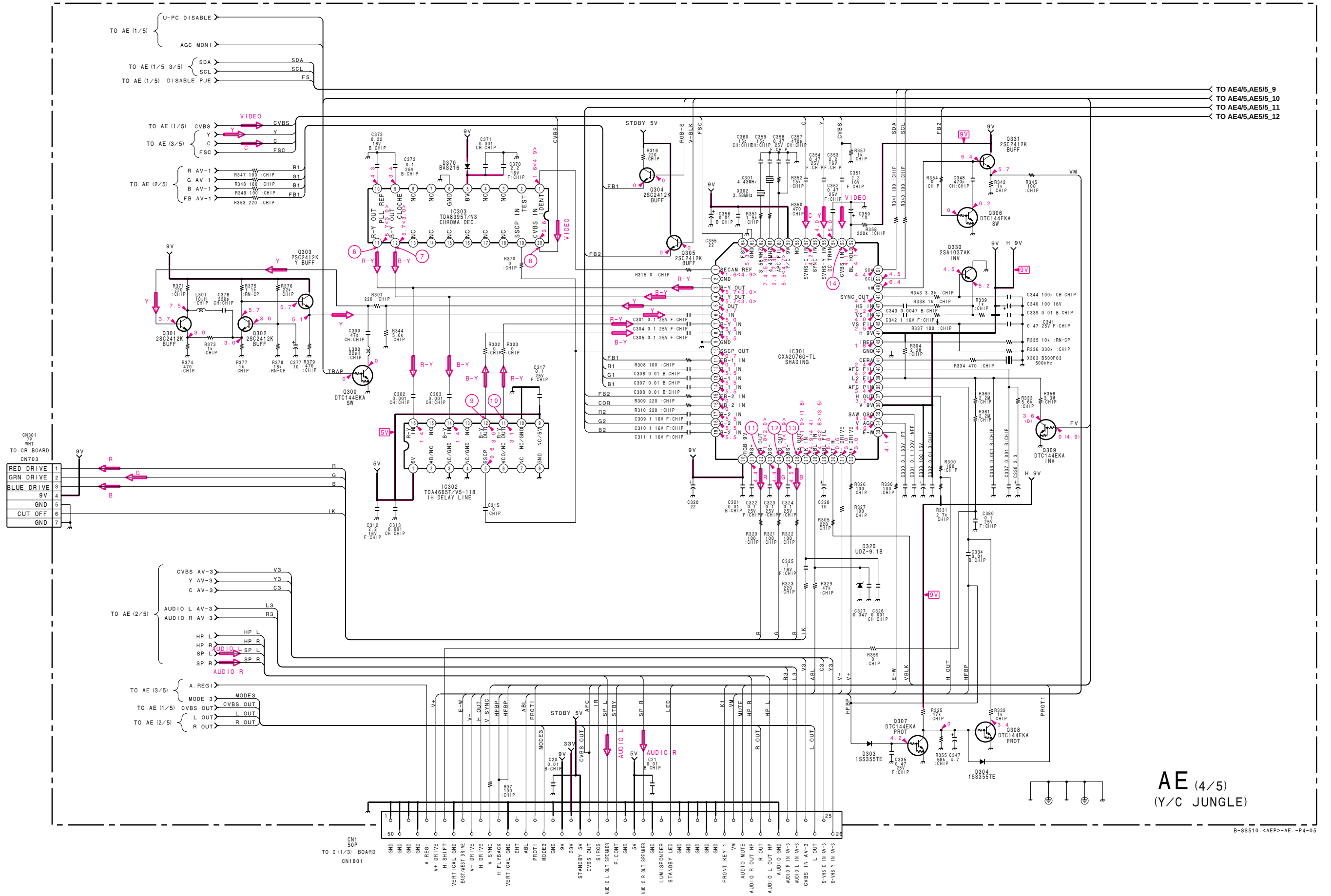


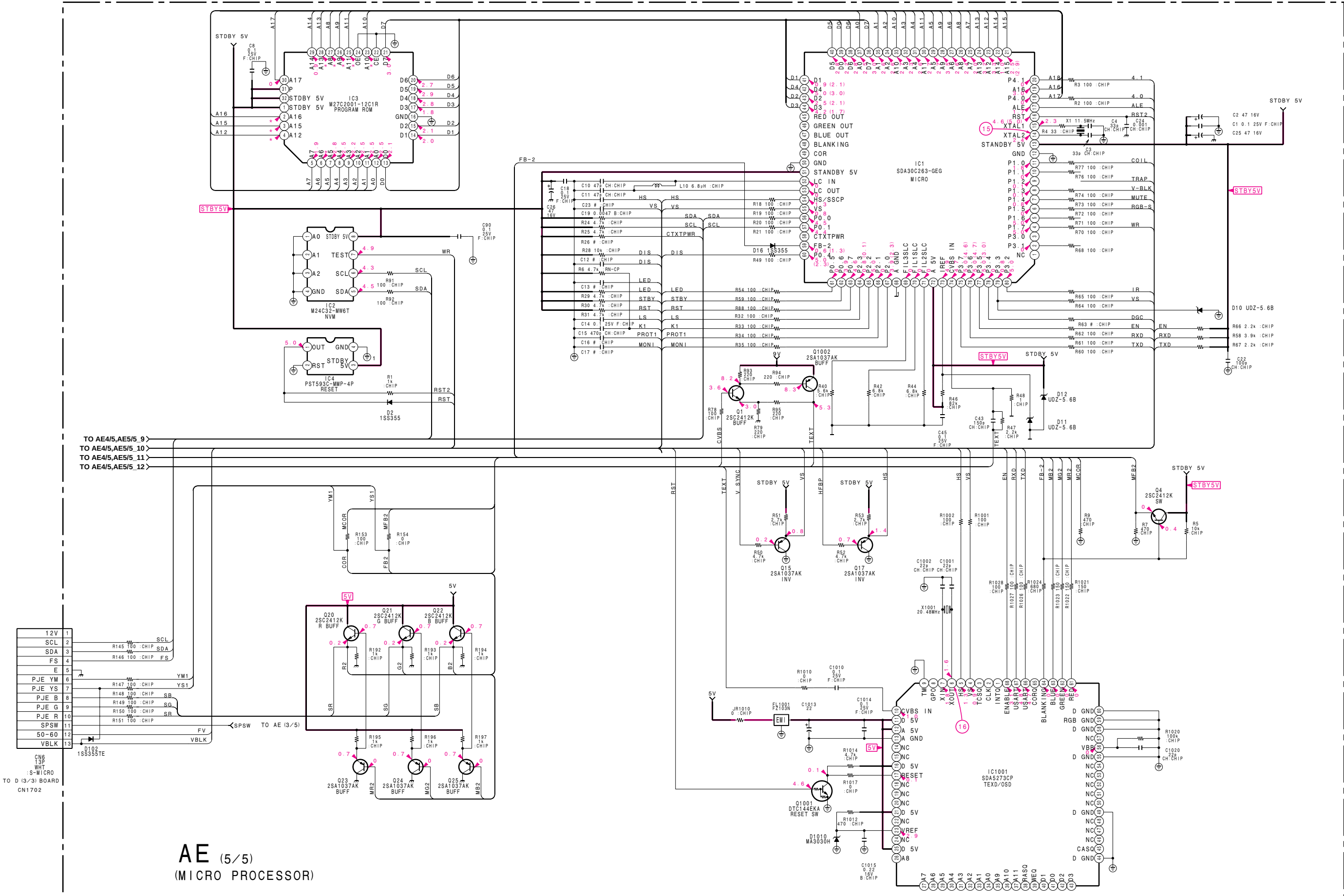
AE (1/5)  
(TUNER, VIDEO SW)

AE (2/5)  
(AUDIO PROCESSOR)



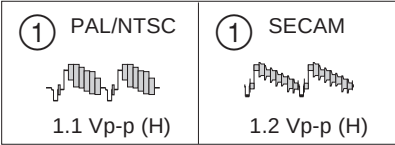




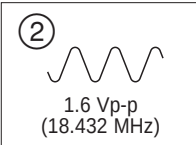


AE (5/5)  
(MICRO PROCESSOR)

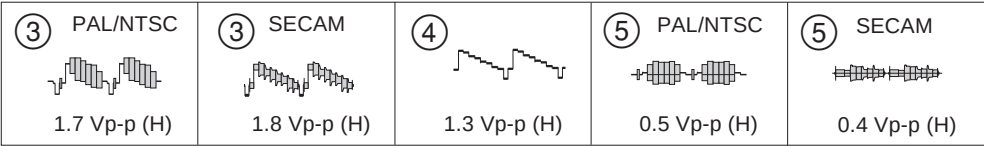
• AE (1/5) BOARD WAVEFORMS (41PX1R)



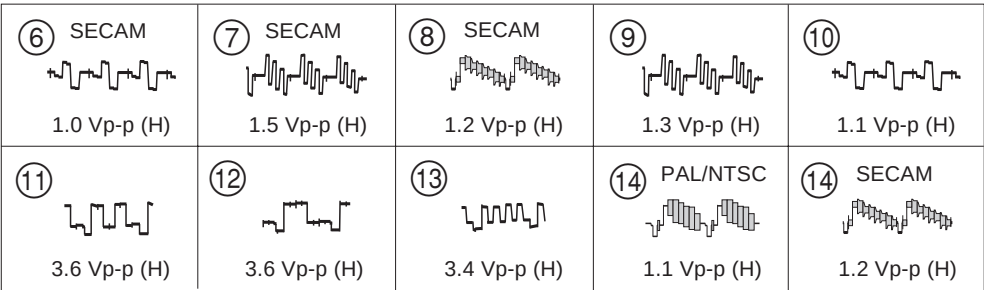
• AE (2/5) BOARD WAVEFORM (41PX1R)



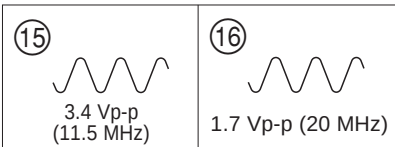
• AE (3/5) BOARD WAVEFORMS (41PX1R)



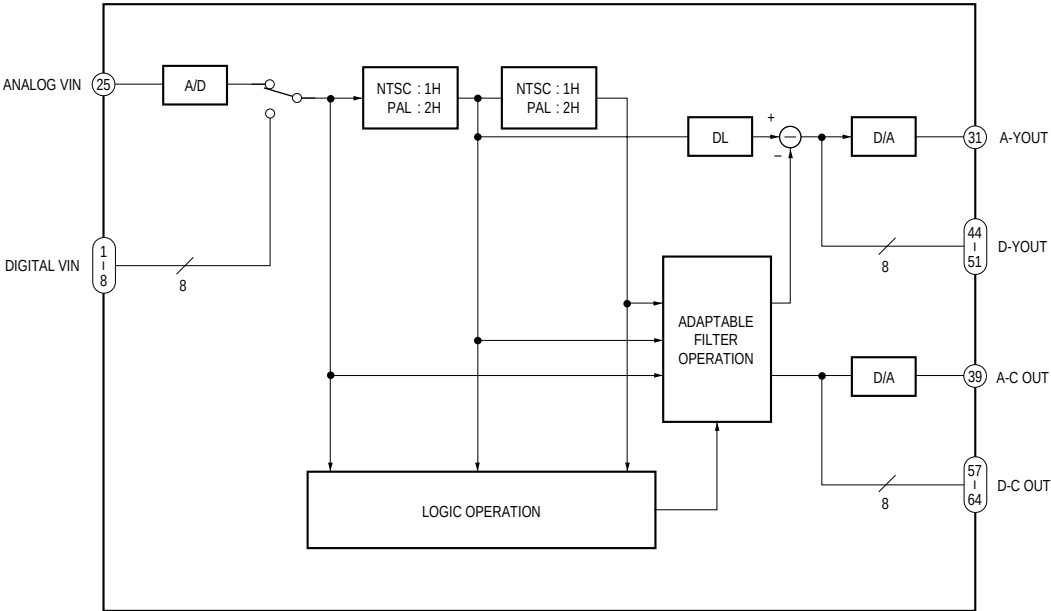
• AE (4/5) BOARD WAVEFORMS (41PX1R)



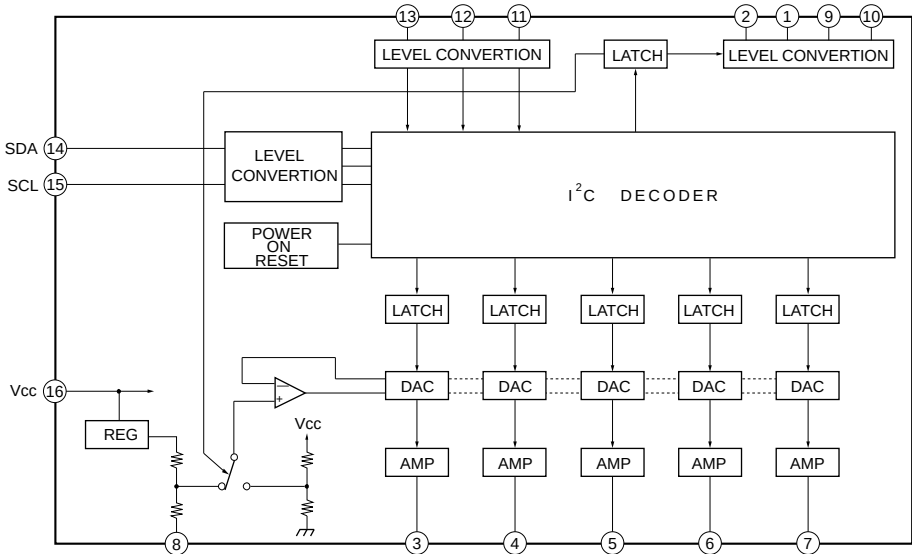
• AE (5/5) BOARD WAVEFORMS (41PX1R)



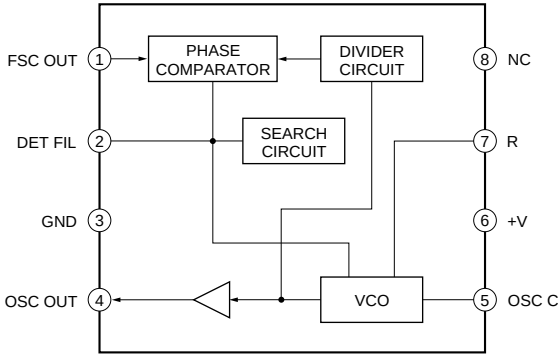
• AE (3/5) BOARD IC103 (41PX1R)  
CXD2044Q



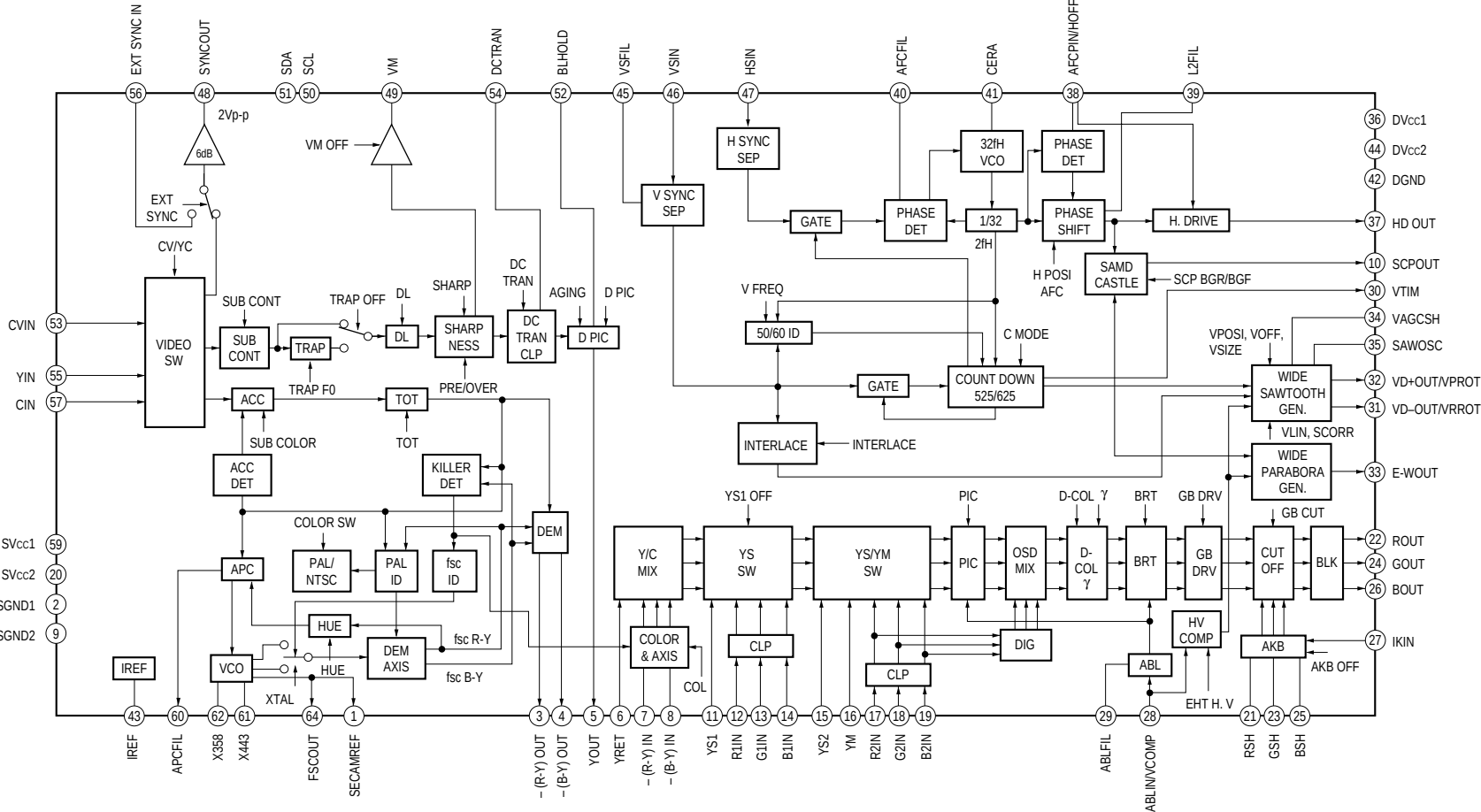
• AE (3/5) BOARD IC206 (41PX1R)  
CXA1315M



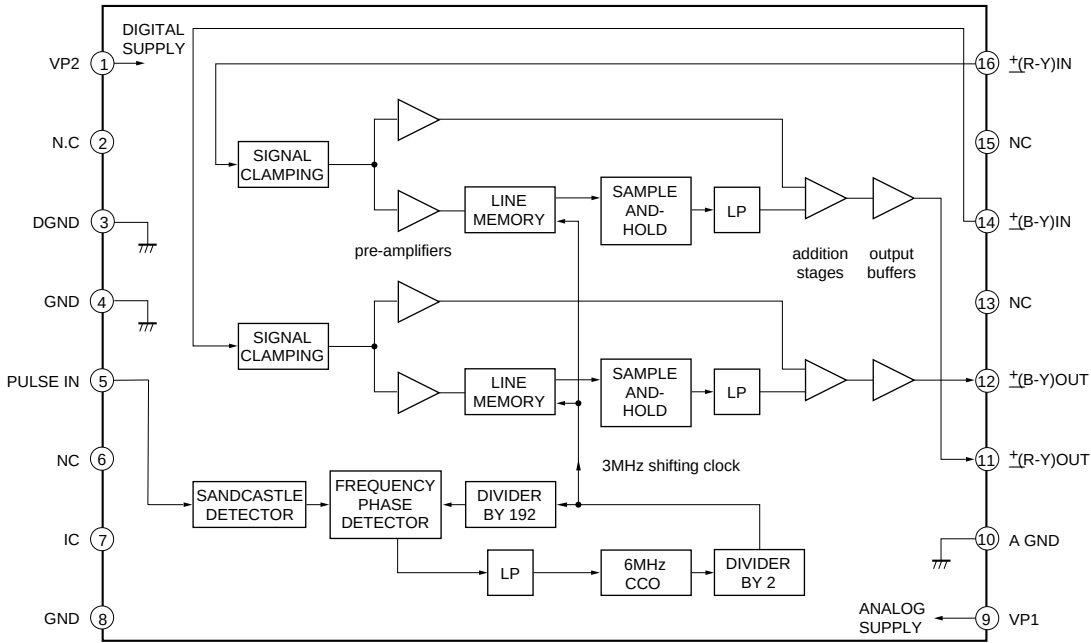
• AE (3/5) BOARD IC102 (41PX1R)  
NJM2240M



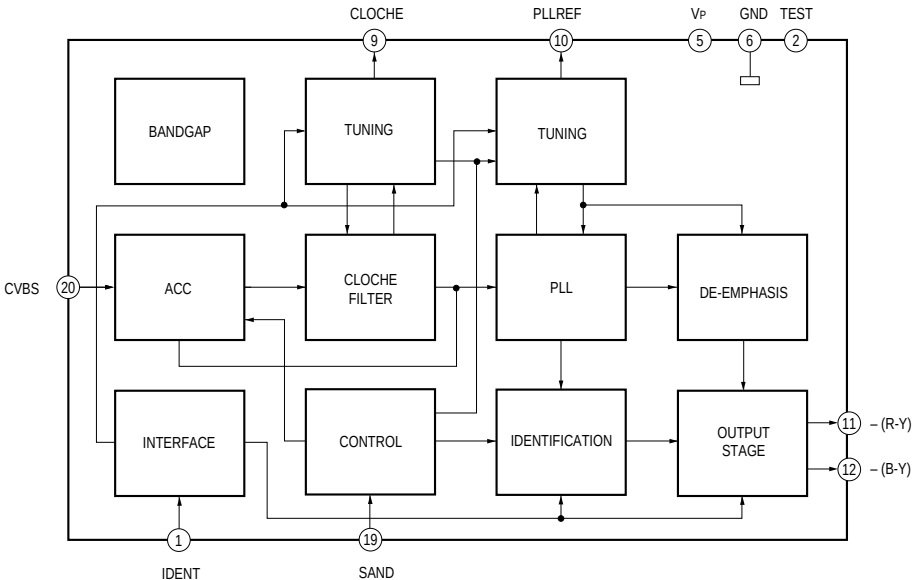
• AE (4/5) BOARD IC301 (41PX1R)  
CXA2076Q

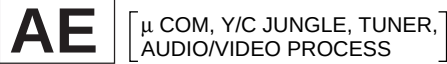


• AE (4/5) BOARD IC302 (41PX1R)  
TDA4665T

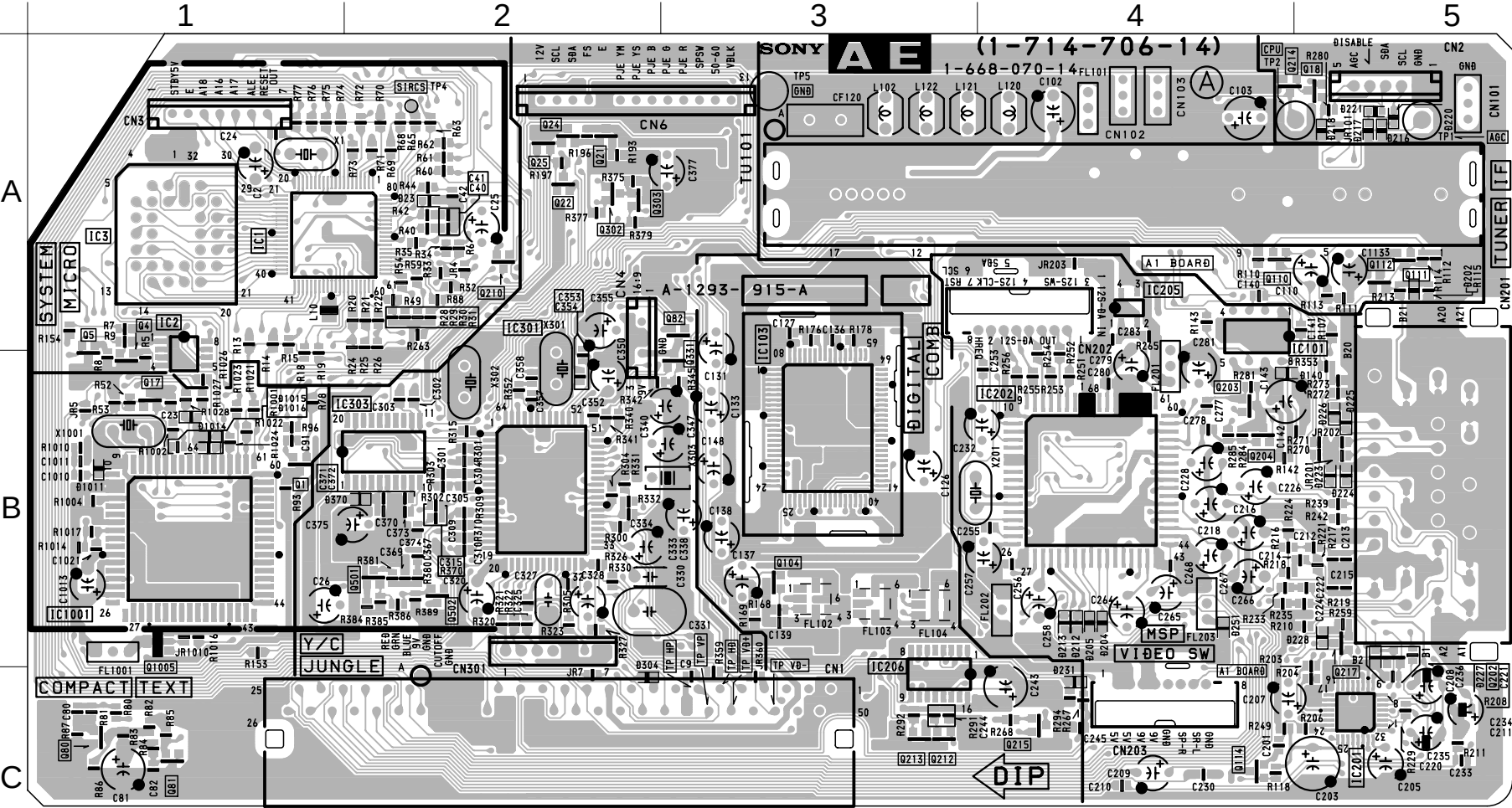


• AE (4/5) BOARD IC303 (41PX1R)  
TDA8395T





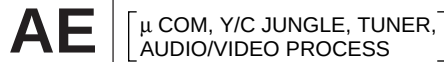
— AE BOARD (Component Side) — (41PX1R)



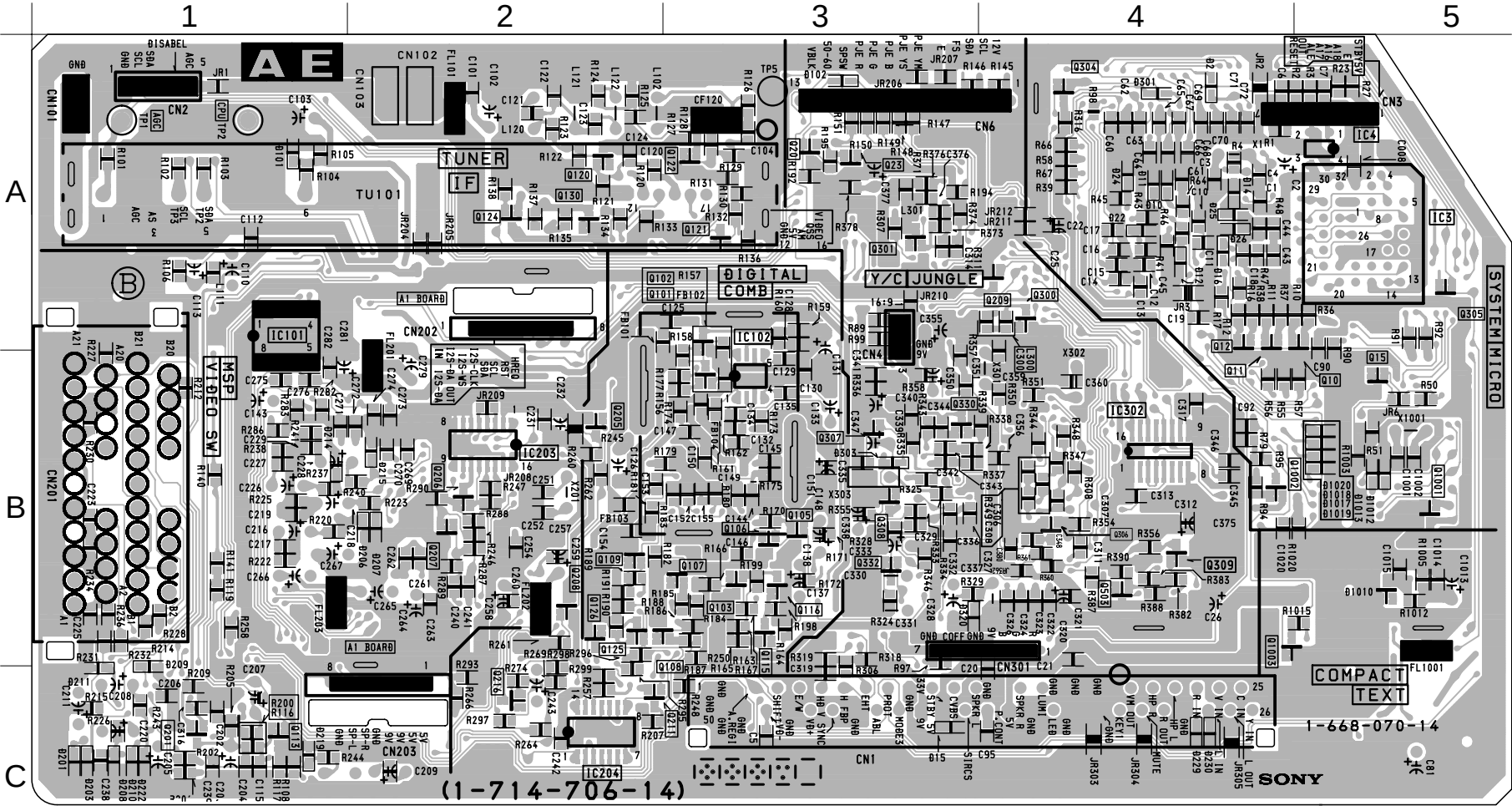
• AE BOARD SEMICONDUCTOR LOCATION (Component Side)

| IC         |     | DIODE   |       |
|------------|-----|---------|-------|
| IC1        | A-1 |         | *     |
| IC2        | A-1 | D202    | A-5 ③ |
| IC3        | A-1 | D204    | B-4 ③ |
| IC103      | B-3 | D205    | B-4 ③ |
| IC201      | C-5 | D212    | B-4 ③ |
| IC202      | B-4 | D213    | B-4 ③ |
| IC205      | A-4 | D216    | A-5 ③ |
| IC206      | C-3 | D217    | A-5 ③ |
| IC301      | B-2 | D218    | A-5 ③ |
| IC303      | B-2 | D220    | A-5 ③ |
| IC1001     | B-1 | D221    | A-5 ③ |
|            |     | D223    | B-5 ③ |
|            |     | D224    | B-5 ③ |
|            |     | D225    | B-5 ③ |
|            |     | D226    | B-5 ③ |
|            |     | D227    | C-5 ③ |
|            |     | D228    | B-5 ③ |
|            |     | D231    | C-4 ③ |
|            |     | D251    | B-4 ③ |
|            |     | D304    | C-2 ③ |
|            |     | D370    | B-2 ③ |
| TRANSISTOR |     | CRYSTAL |       |
| Q1         | B-1 | X1      | A-1   |
| Q4         | A-1 | X201    | B-4   |
| Q17        | B-1 | X301    | B-2   |
| Q18        | A-5 | X302    | B-2   |
| Q21        | A-2 | X303    | B-3   |
| Q22        | A-2 | X1001   | B-1   |
| Q24        | A-2 |         |       |
| Q25        | A-2 |         |       |
| Q104       | B-3 |         |       |
| Q110       | A-4 |         |       |
| Q111       | A-5 |         |       |
| Q112       | A-5 |         |       |
| Q114       | C-4 |         |       |
| Q202       | C-5 |         |       |
| Q203       | B-4 |         |       |
| Q204       | B-4 |         |       |
| Q212       | C-3 |         |       |
| Q213       | C-3 |         |       |
| Q214       | A-4 |         |       |
| Q215       | C-4 |         |       |
| Q217       | C-5 |         |       |
| Q302       | A-2 |         |       |
| Q303       | A-2 |         |       |
| Q331       | B-3 |         |       |

\*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 54)



— AE BOARD (Conductor Side) — (41PX1R)



• AE BOARD SEMICONDUCTOR LOCATION (Conductor Side)

| IC         |       | DIODE   |       |
|------------|-------|---------|-------|
| IC3        | A-5   | D2      | A-4 * |
| IC4        | A-5   | D10     | A-4 ③ |
| IC102      | A-3   | D11     | A-4 ③ |
| IC204      | C-2   | D12     | A-4 ③ |
| IC302      | B-4   | D16     | A-4 ③ |
| TRANSISTOR |       | D101    | A-1 ③ |
|            |       | D102    | A-3 ③ |
|            |       | D201    | C-1 ③ |
|            |       | D203    | C-1 ③ |
|            |       | D206    | B-2 ③ |
|            |       | D207    | B-2 ③ |
|            |       | D208    | C-1 ③ |
|            |       | D209    | C-1 ③ |
|            |       | D210    | C-1 ③ |
|            |       | D211    | C-1 ③ |
|            |       | D214    | B-1 ③ |
|            |       | D215    | B-2 ③ |
|            |       | D222    | C-1 ③ |
|            |       | D303    | B-3 ③ |
|            |       | D320    | B-3 ③ |
|            |       | D1010   | B-5 ④ |
|            |       | CRYSTAL |       |
|            |       | X1      | A-4   |
|            |       | X201    | B-2   |
|            |       | X301    | B-4   |
|            |       | X302    | B-4   |
|            |       | X303    | B-3   |
|            |       | X1001   | B-5   |
| Q15        | B-5 ① |         |       |
| Q20        | A-3 ① |         |       |
| Q23        | A-3 ① |         |       |
| Q101       | A-3 ① |         |       |
| Q102       | B-3 ① |         |       |
| Q103       | B-3 ① |         |       |
| Q105       | B-3 ① |         |       |
| Q106       | B-3 ① |         |       |
| Q107       | B-3 ① |         |       |
| Q108       | C-3 ① |         |       |
| Q109       | B-2 ① |         |       |
| Q113       | C-1 ① |         |       |
| Q115       | B-3 ① |         |       |
| Q116       | B-3 ① |         |       |
| Q120       | A-2 ① |         |       |
| Q121       | A-3 ① |         |       |
| Q122       | A-3 ① |         |       |
| Q124       | A-2 ① |         |       |
| Q125       | B-2 ① |         |       |
| Q130       | A-2 ① |         |       |
| Q201       | C-1 ① |         |       |
| Q211       | C-3 ① |         |       |
| Q216       | C-2 ① |         |       |
| Q300       | A-4 ① |         |       |
| Q301       | A-3 ① |         |       |
| Q304       | A-4 ① |         |       |
| Q305       | A-5 ① |         |       |
| Q306       | B-4 ① |         |       |
| Q307       | B-3 ① |         |       |
| Q308       | B-3 ① |         |       |
| Q309       | B-4 ① |         |       |
| Q330       | B-3 ① |         |       |
| Q1001      | B-5 ① |         |       |
| Q1002      | B-4 ① |         |       |

\*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 54)

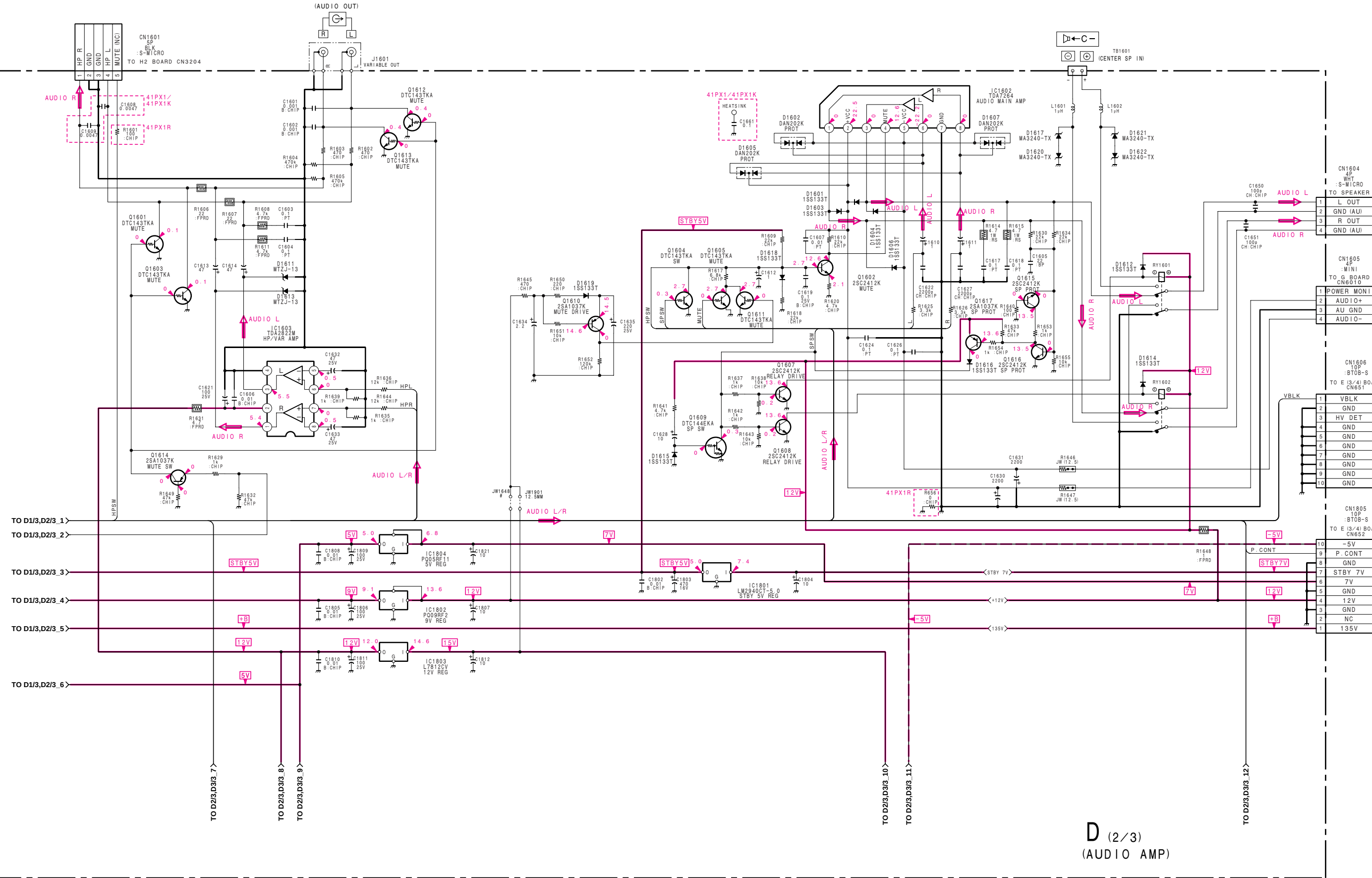
CN1801  
50P  
:BTOB  
TO A (4/5) BOARD  
CN1:41PX1/41PX1  
TO AE (4/5) BOARD  
CN1:41PX1R



| Ref No. | 41PX1/41PX1K | 41PX1R   |
|---------|--------------|----------|
| C1816   | JW(5)        | 10μF     |
| C1817   | JW(5)        | 10μF     |
| C1822   | 0            | 0.47 25V |
| C1824   | 0            | 0.47 25V |
| L1802   | 10μH         | JW(5)    |
| R1806   | 68           | 82       |
| R1807   | 0            | 2.7k     |
| R1808   | 0            | 2.7k     |
| R1810   | 68           | 82       |
| R1819   | 0            | 2.7k     |
| R1820   | 0            | 2.7k     |
| R1824   | 0            | 47k      |
| R1825   | 0            | 47k      |
| R1826   | 0            | 47k      |
| R1829   | 0            | 47k      |
| R1832   | 1.2k         | 1k       |
| R1842   | 1.2k         | 1k       |

D (1/3)  
(VIDEO BUFFER)

(12) Schematic Diagram of D (2/3) Board



D (3/3)  
(PJ ENGINE, V DEFRECTION)

• D (3/3) BOARD WAVEFORMS

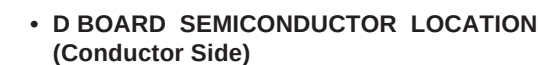
|                                                                                                                                    |                                                                                                                                   |                                                                                                                                   |                                                                                                                                   |                                                                                                                                     |                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <div>①</div> <div></div> <div>57.5 Vp-p (V)</div> | <div>②</div> <div></div> <div>0.5 Vp-p (V)</div> | <div>③</div> <div></div> <div>0.5 Vp-p (V)</div> | <div>④</div> <div></div> <div>4.7 Vp-p (H)</div> | <div>⑤</div> <div></div> <div>4.7 Vp-p (V)</div> | <div>⑥</div> <div></div> <div>3.6 Vp-p (8 MHz)</div> |
| <div>⑦</div> <div></div> <div>4.7 Vp-p (V)</div>  | <div>⑧</div> <div></div> <div>4.7 Vp-p (H)</div> | <div>⑨</div> <div></div> <div>1.3 Vp-p (V)</div> | <div>⑩</div> <div></div> <div>1.3 Vp-p (V)</div> |                                                                                                                                     |                                                                                                                                         |

— D BOARD (Component Side) —



- 77 -

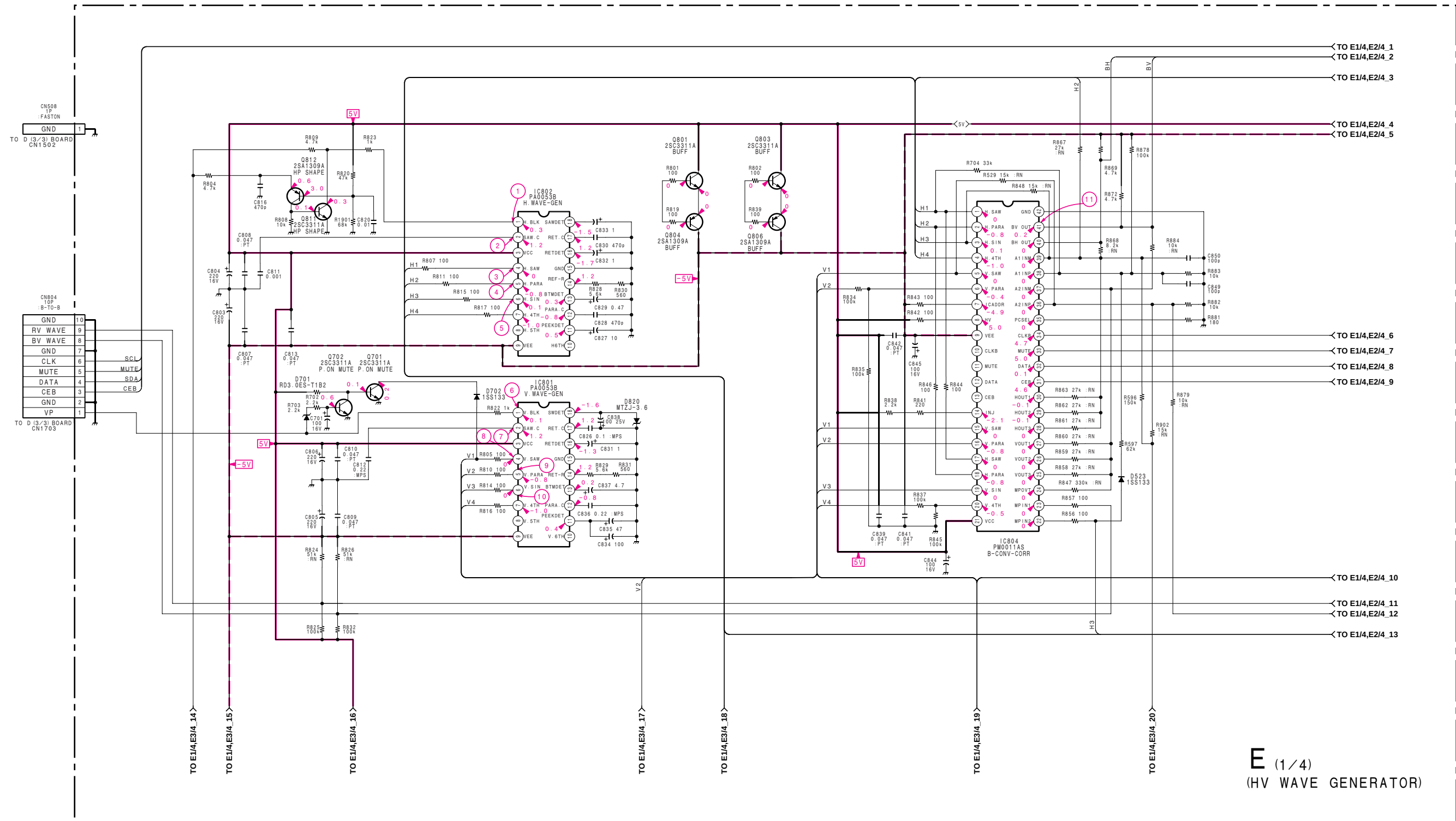
— D BOARD (Conductor Side) —



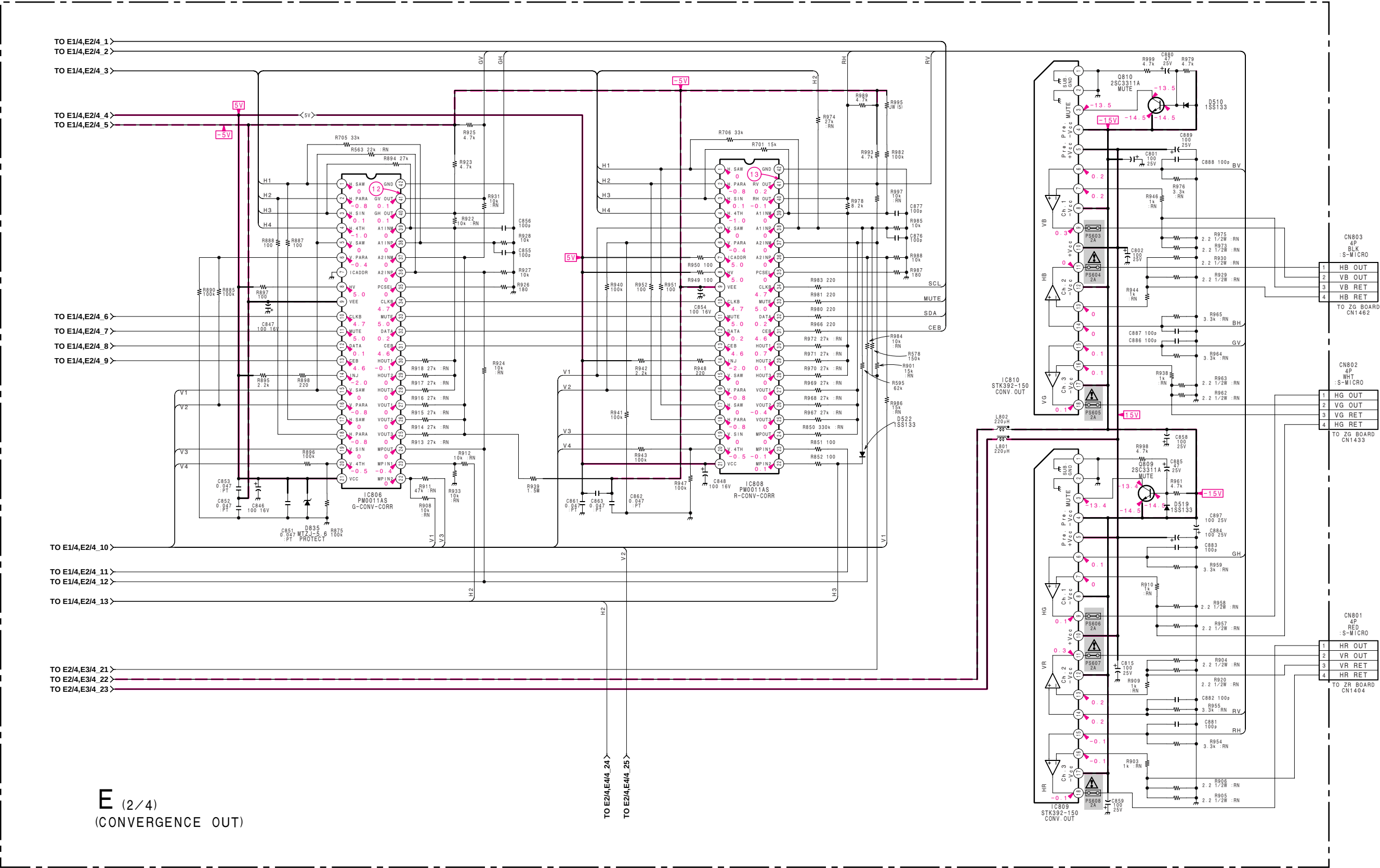
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|---|
| IC        | IC1501 D-2<br>IC1502 D-2<br>IC1503 D-2<br>IC1602 B-2<br>IC1603 B-4<br>IC1701 D-3<br>IC1702 D-3<br>IC1703 E-4<br>IC1704 E-3<br>IC1706 D-4<br>IC1801 B-1<br>IC1802 C-1<br>IC1803 C-2<br>IC1804 C-1<br>IC1805 B-5 |   | Q1804 B-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | ①         |  |   |
|           |                                                                                                                                                                                                                |   | Q1805 B-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | ①         |  |   |
|           |                                                                                                                                                                                                                |   | Q1806 B-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | ①         |  |   |
|           |                                                                                                                                                                                                                |   | Q1807 B-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | ①         |  |   |
|           |                                                                                                                                                                                                                |   | Q1808 C-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | ①         |  |   |
|           |                                                                                                                                                                                                                |   | Q1809 C-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | ①         |  |   |
|           |                                                                                                                                                                                                                |   | DIODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |  |   |
|           |                                                                                                                                                                                                                |   | D1501 D-1<br>D1502 D-2<br>D1503 D-1<br>D1504 D-1<br>D1505 D-1<br>D1601 B-2<br>D1602 B-2<br>D1603 B-2<br>D1604 B-2<br>D1605 B-2<br>D1606 B-2<br>D1607 B-2<br>D1611 B-4<br>D1612 A-1<br>D1613 A-4<br>D1614 A-1<br>D1615 A-1<br>D1616 A-2<br>D1617 A-3<br>D1618 B-2<br>D1619 A-2<br>D1620 A-3<br>D1621 A-2<br>D1622 A-2<br>D1703 D-3<br>D1704 D-3<br>D1705 E-4<br>D1706 E-4<br>D1707 E-3<br>D1708 E-3<br>D1709 E-3<br>D1710 E-3<br>D1711 E-3<br>D1712 E-3<br>D1801 E-4<br>D1802 E-4<br>D1803 E-5<br>D1804 E-4<br>D1805 E-5<br>D1806 E-5 |  | *         |  |   |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | —         |  |   |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | —         |  |   |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | —         |  |   |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | —         |  |   |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | ③         |  |   |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | —         |  |   |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | ⑧         |  |   |
|           | —                                                                                                                                                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | ⑧                                                                                                                                                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | —                                                                                                                                                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | —                                                                                                                                                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | ⑧                                                                                                                                                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | —                                                                                                                                                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | —                                                                                                                                                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | CRYSTAL                                                                                                                                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | X1701 D-4                                                                                                                                                                                                      |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
|           | TRANSISTOR                                                                                                                                                                                                     |   | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Q1501 D-1 |  | ① |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Q1502 D-1 |  | ① |
|           |                                                                                                                                                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Q1503 D-1 |  | ① |
|           | Q1505 D-2                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1601 A-4                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1602 B-2                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1603 A-3                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1604 A-2                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1605 A-2                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1607 A-1                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1608 A-1                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
|           | Q1609 A-2                                                                                                                                                                                                      |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |  |   |
| Q1610 B-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1611 B-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1612 A-4 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1613 A-3 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1614 A-4 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1615 A-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1616 A-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1617 A-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1701 E-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1702 E-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1703 E-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1704 D-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1705 D-2 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1706 D-4 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1707 D-3 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1708 D-3 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1709 E-3 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1710 C-3 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1711 D-3 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1801 E-4 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1802 A-4 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |
| Q1803 A-4 |                                                                                                                                                                                                                | ① |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |           |  |   |

- 78 -

(14) Schematic Diagram of E (1/4) Board

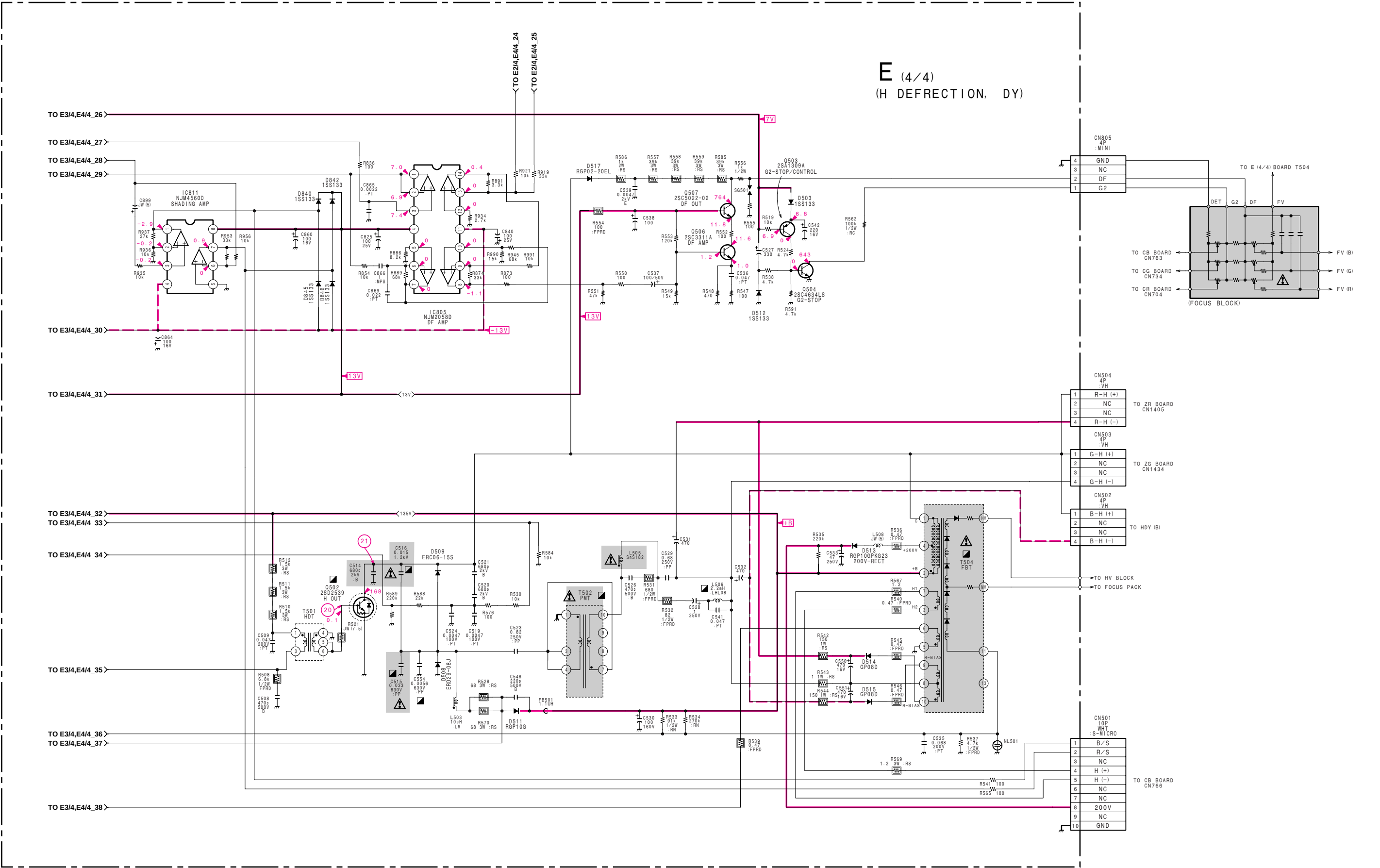


(15) Schematic Diagram of E (2/4) Board

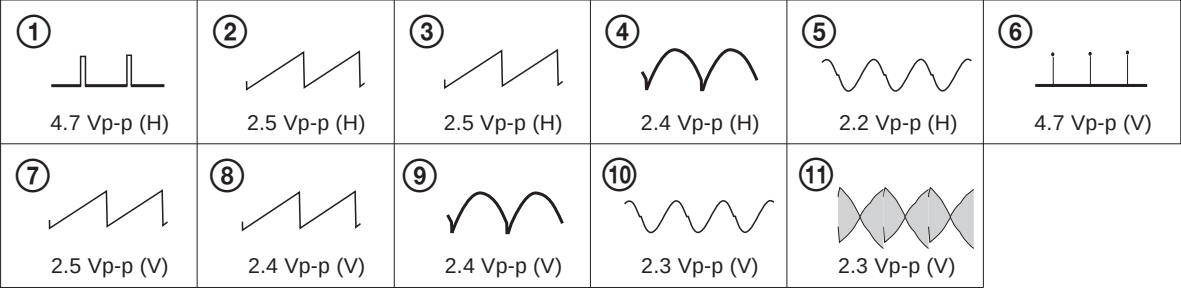




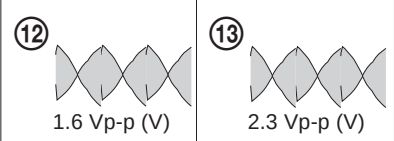
(17) Schematic Diagram of E (4/4) Board



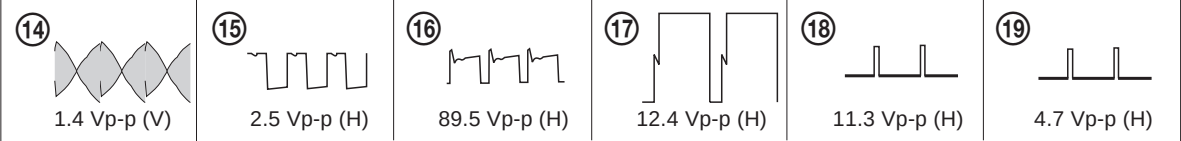
• E (1/4) BOARD WAVEFORMS



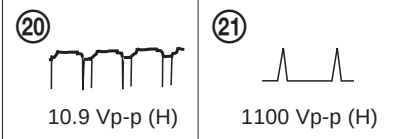
• E (2/4) BOARD WAVEFORMS

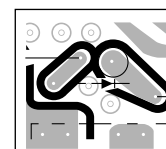


• E (3/4) BOARD WAVEFORMS



• E (4/4) BOARD WAVEFORMS





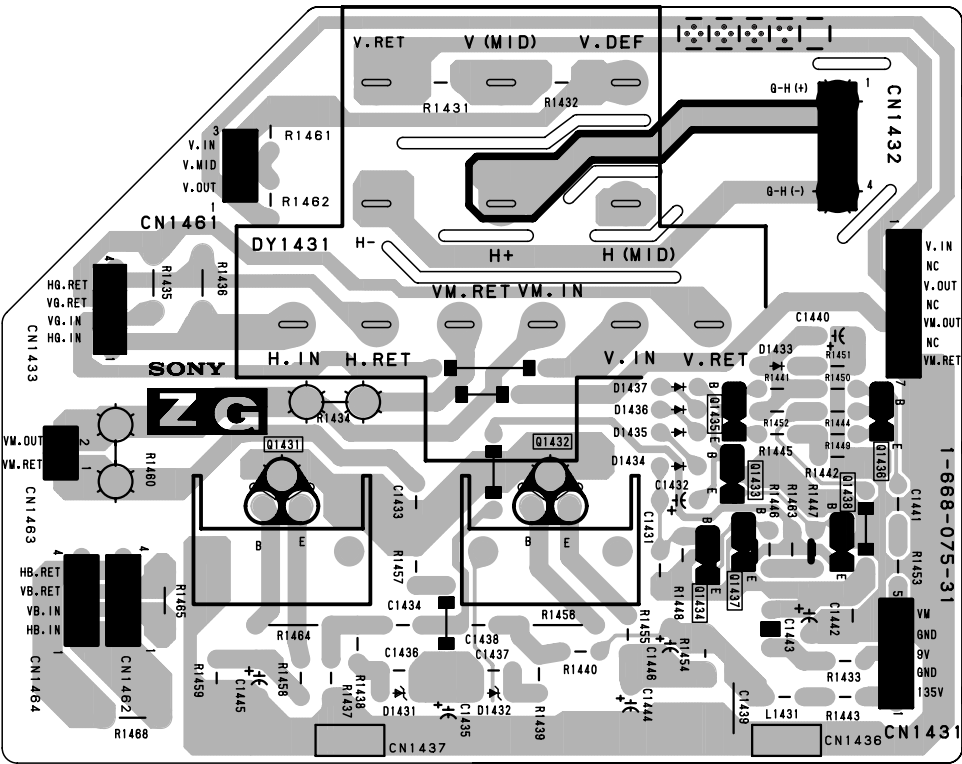
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

| IC         |     | Q808  | A-1 |
|------------|-----|-------|-----|
|            |     | Q809  | E-2 |
| IC501      | B-3 | Q810  | E-4 |
| IC801      | B-1 | Q811  | B-2 |
| IC802      | B-2 | Q812  | B-2 |
| IC803      | B-1 | DIODE |     |
| IC804      | D-4 |       |     |
| IC805      | B-3 | D501  | B-3 |
| IC806      | D-2 | D502  | C-3 |
| IC807      | A-3 | D503  | A-5 |
| IC808      | D-1 | D504  | B-3 |
| IC809      | E-2 | D507  | B-3 |
| IC810      | E-3 | D508  | C-5 |
| IC811      | A-3 | D509  | C-5 |
| IC812      | A-2 | D510  | E-4 |
| IC813      | A-2 | D511  | B-5 |
| IC814      | A-3 | D512  | A-6 |
| TRANSISTOR |     | D513  | C-6 |
|            |     | D514  | E-7 |
| Q501       | E-5 | D515  | C-7 |
| Q502       | D-5 | D517  | B-6 |
| Q503       | A-6 | D519  | E-2 |
| Q504       | A-6 | D522  | C-2 |
| Q505       | B-5 | D523  | D-4 |
| Q506       | A-6 | D524  | C-4 |
| Q507       | A-6 | D527  | B-4 |
| Q701       | C-1 | D560  | C-3 |
| Q702       | C-1 | D701  | B-1 |
| Q801       | A-1 | D702  | C-2 |
| Q802       | B-1 | D820  | C-1 |
| Q803       | A-1 | D829  | A-1 |
| Q804       | A-1 | D835  | C-3 |
| Q805       | B-1 | D840  | A-2 |
| Q806       | A-1 | D842  | A-2 |
| Q807       | A-2 | D845  | A-2 |
|            |     | D846  | A-3 |

**ZG** [VM, GREEN/BLUE DY]

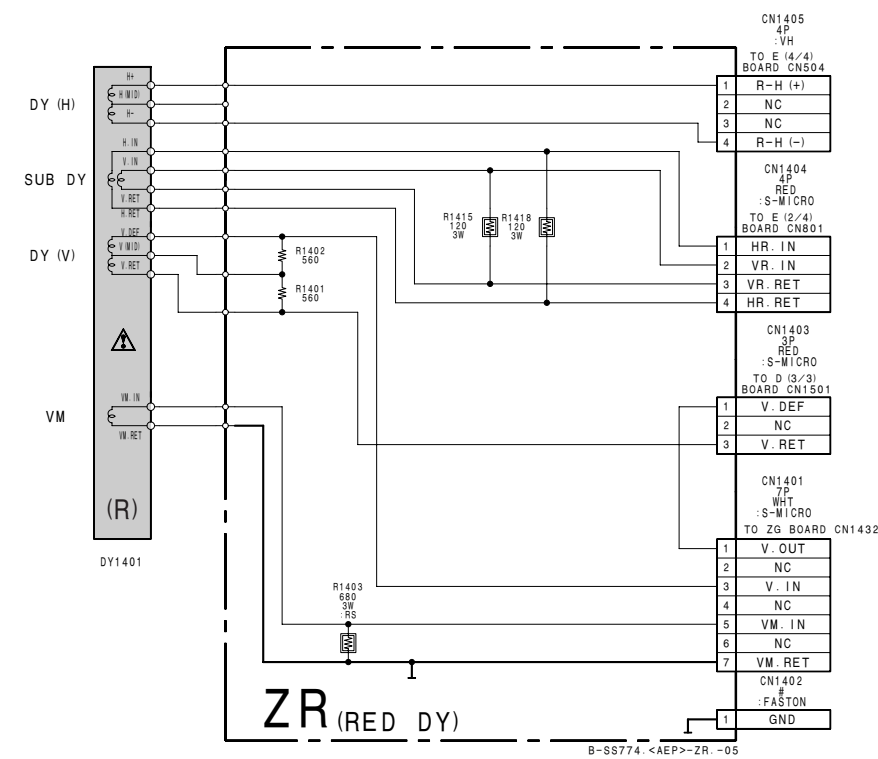
(18) Schematic Diagram of ZG Board

— ZG BOARD —



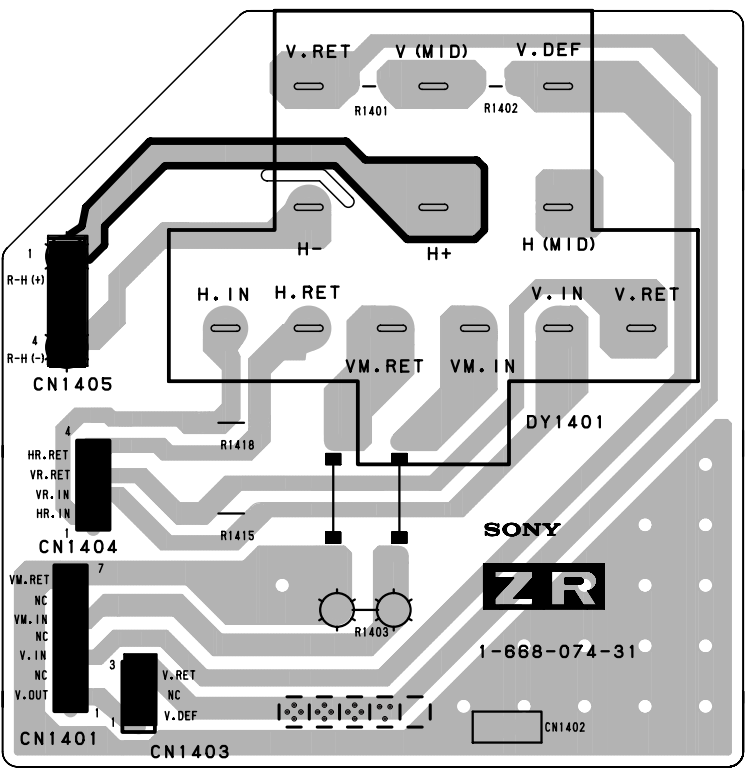
**NOTE:**  
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

(19) Schematic Diagram of ZR Board



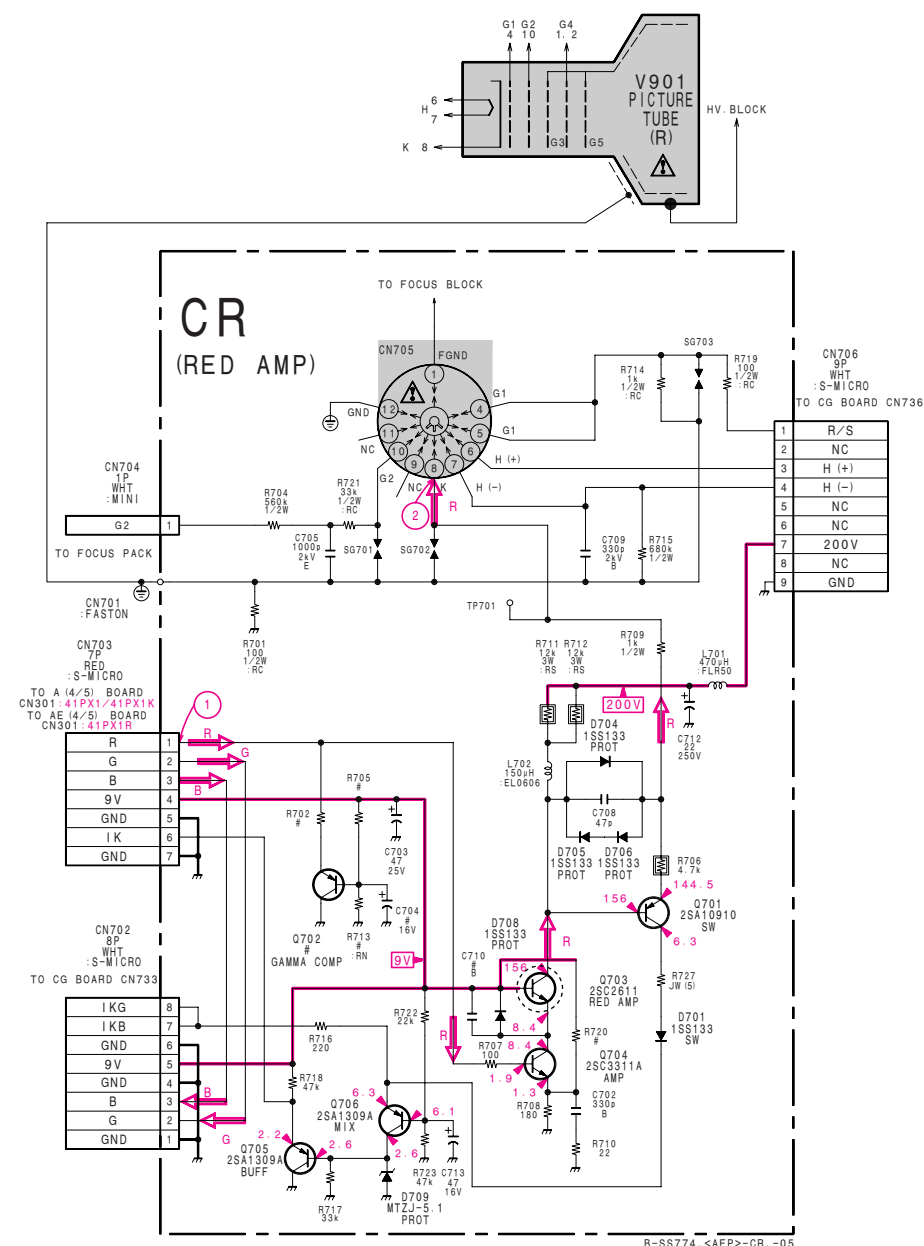
**ZR** [RED DY]

— ZR BOARD —

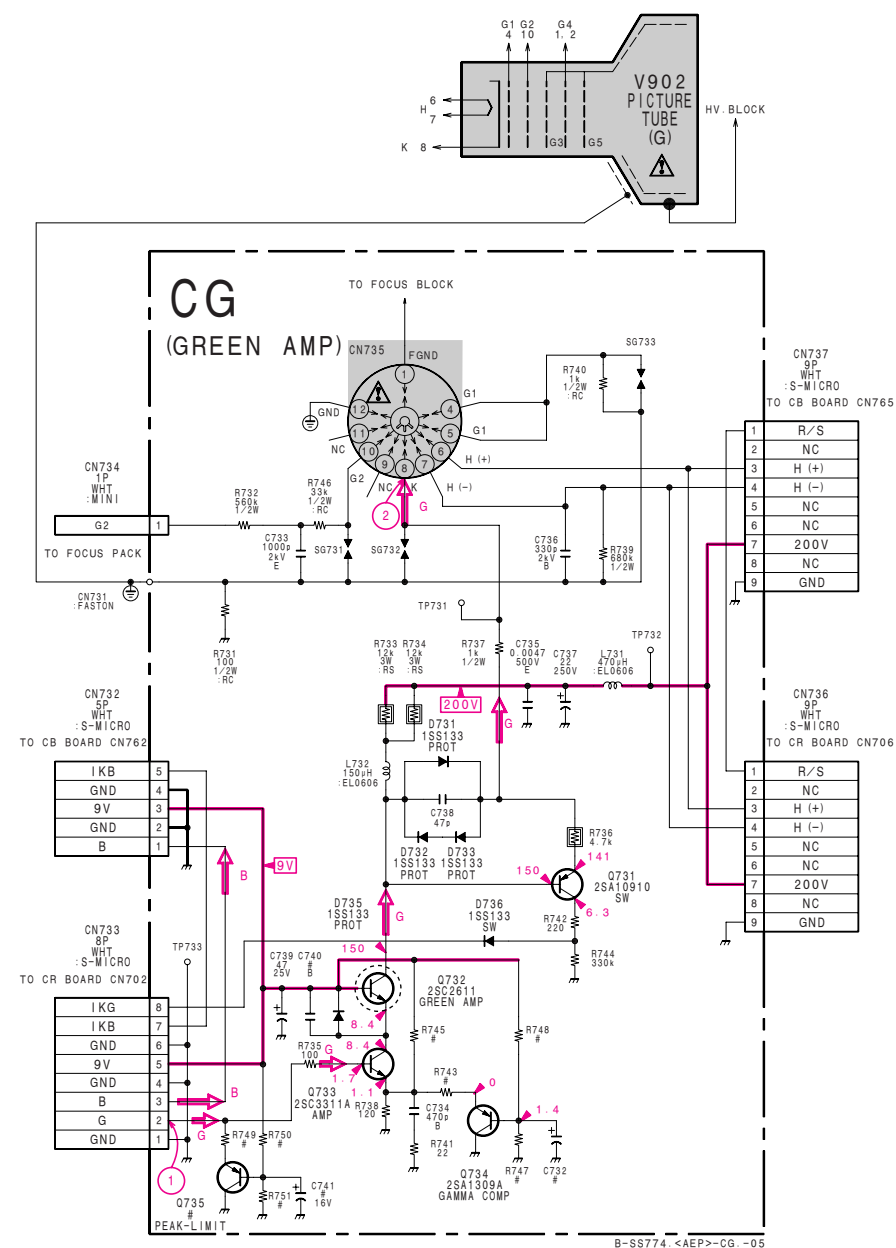


**NOTE:**  
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

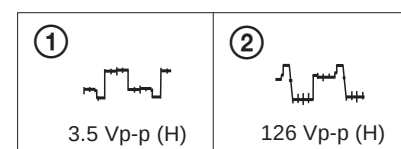
**NOTE:**  
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



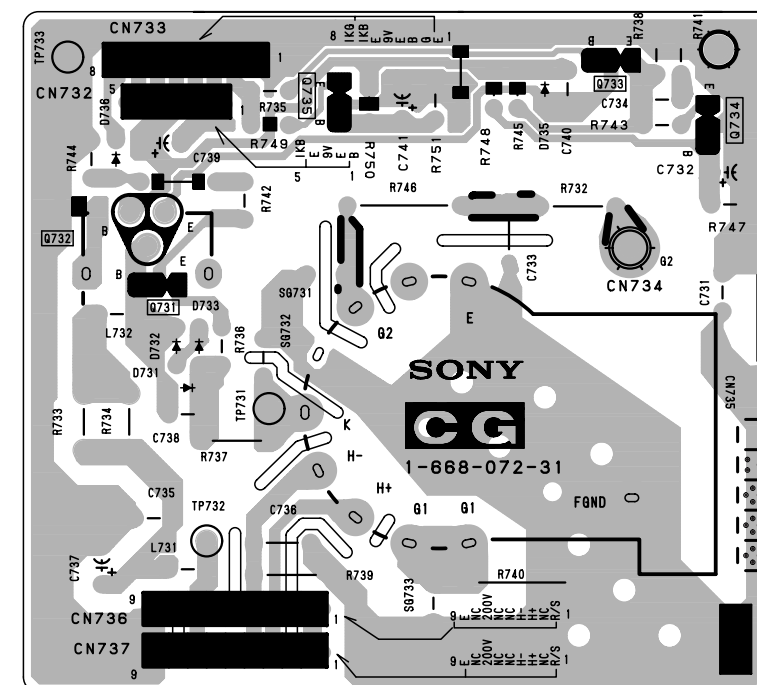
**(21) Schematic Diagram of CG Board**



- CG BOARD WAVEFORMS



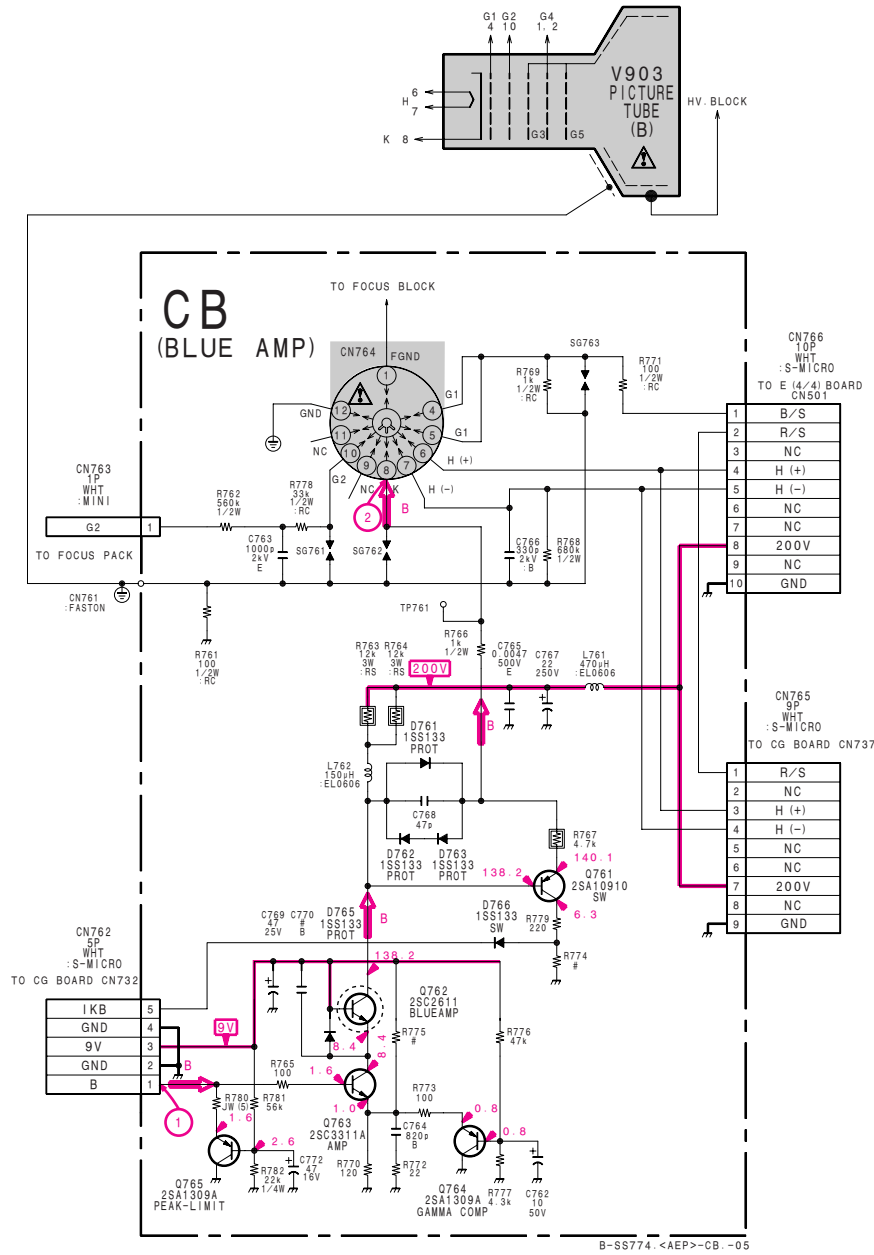
— CG BOARD —



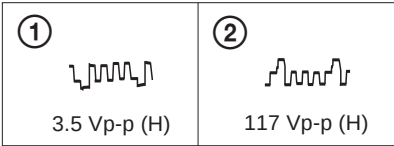
**NOTE:** The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

CB [BLUE AMP]

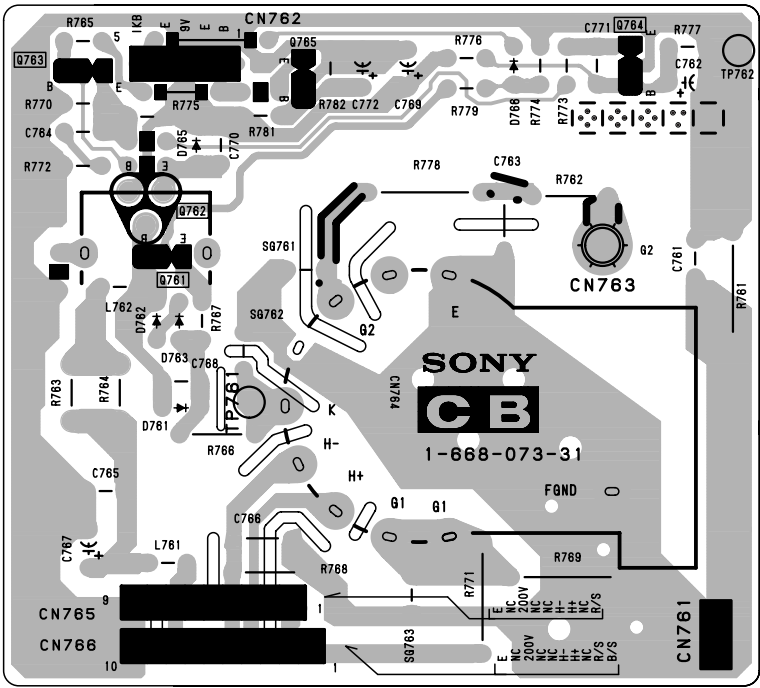
(22) Schematic Diagram of CB Board



• CB BOARD WAVEFORMS

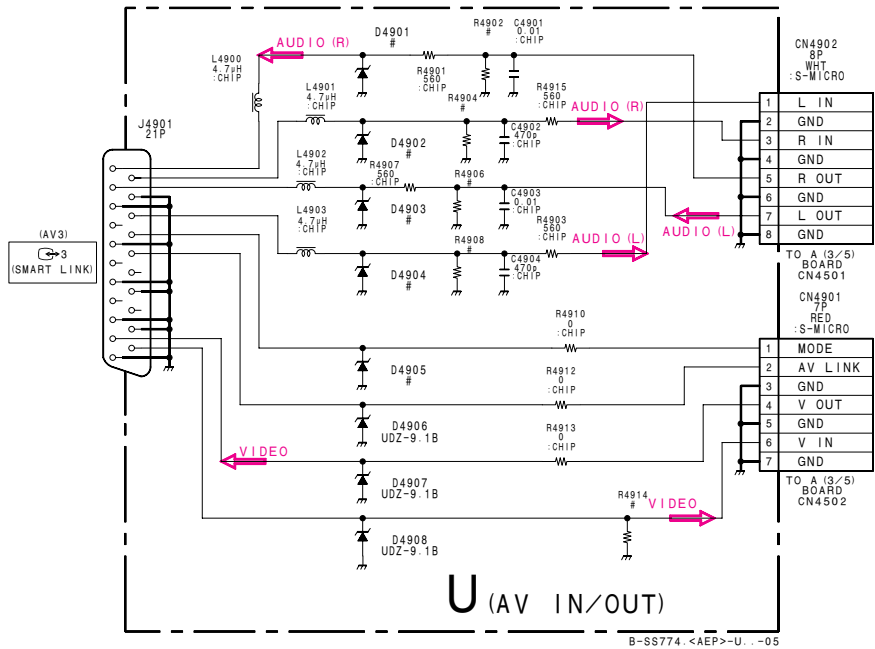


— CB BOARD —



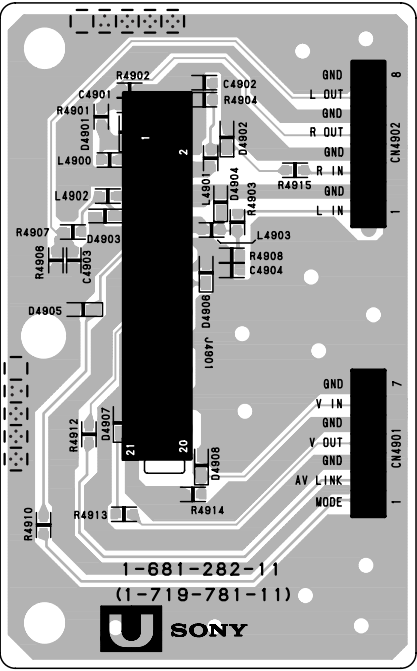
**NOTE:**  
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

(23) Schematic Diagram of U Board (41PX1/41PX1K)



U [AV IN/OUT]

— U BOARD — (41PX1/41PX1K)



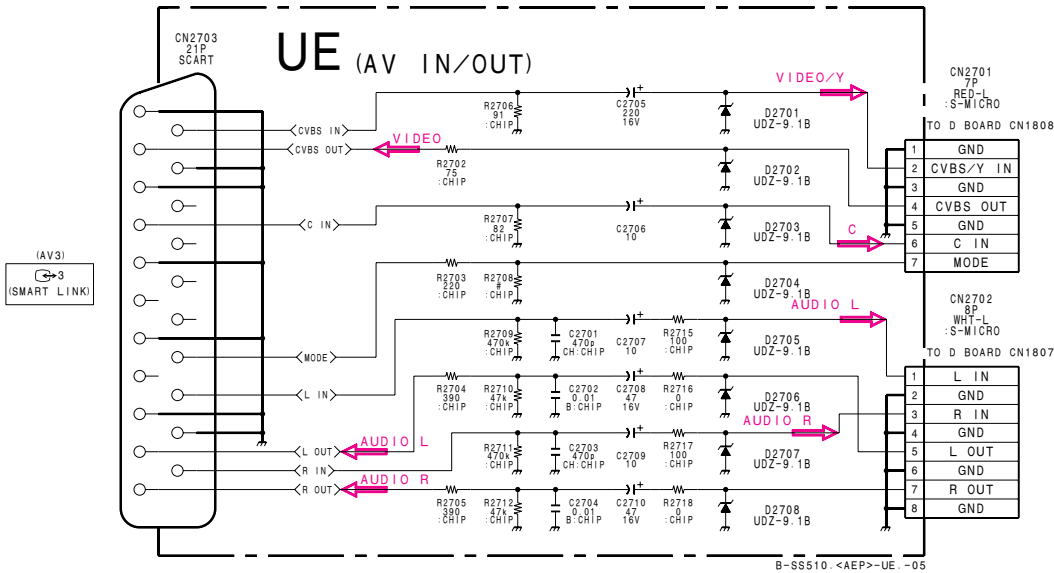
U BOARD  
Terminal name of semiconductors  
in silk screen printed circuit (\*)

| Ref.          | * |
|---------------|---|
| D4906 – D4908 | ③ |

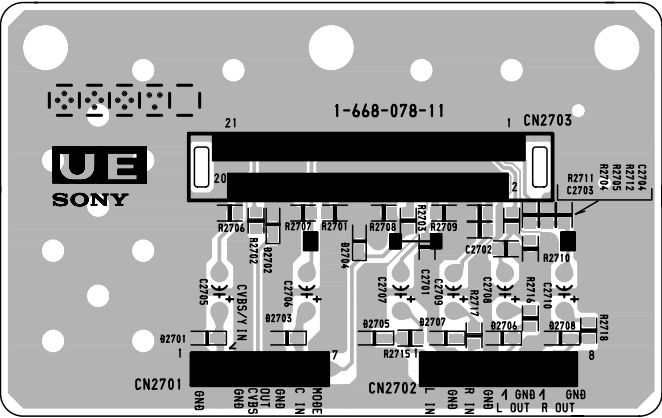
\*: Refer to Terminal name of  
semiconductors in silk screen  
printed circuit (see page 54)



(24) Schematic Diagram of UE Board (41PX1R)



— UE BOARD — (41PX1R)

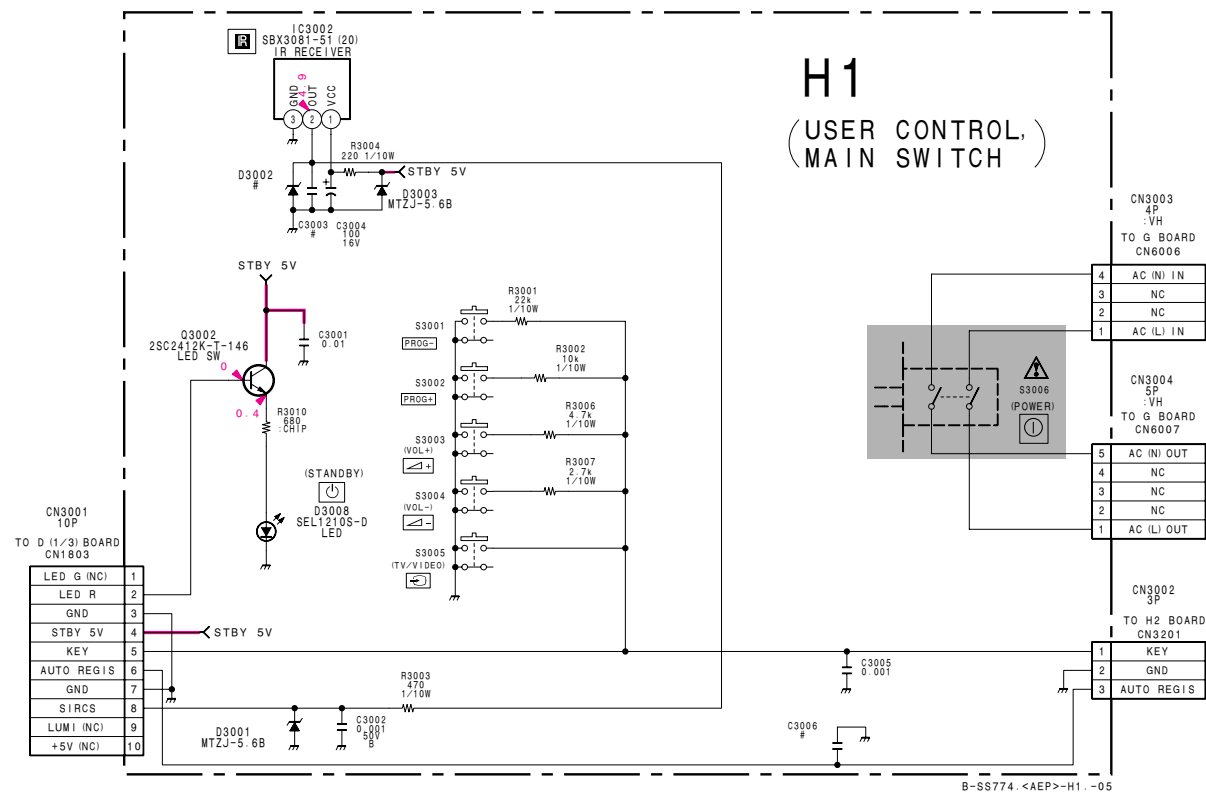


UE BOARD  
Terminal name of semiconductors  
in silk screen printed circuit (\*)

| Ref.          | * |
|---------------|---|
| D2701 – D2708 | ③ |

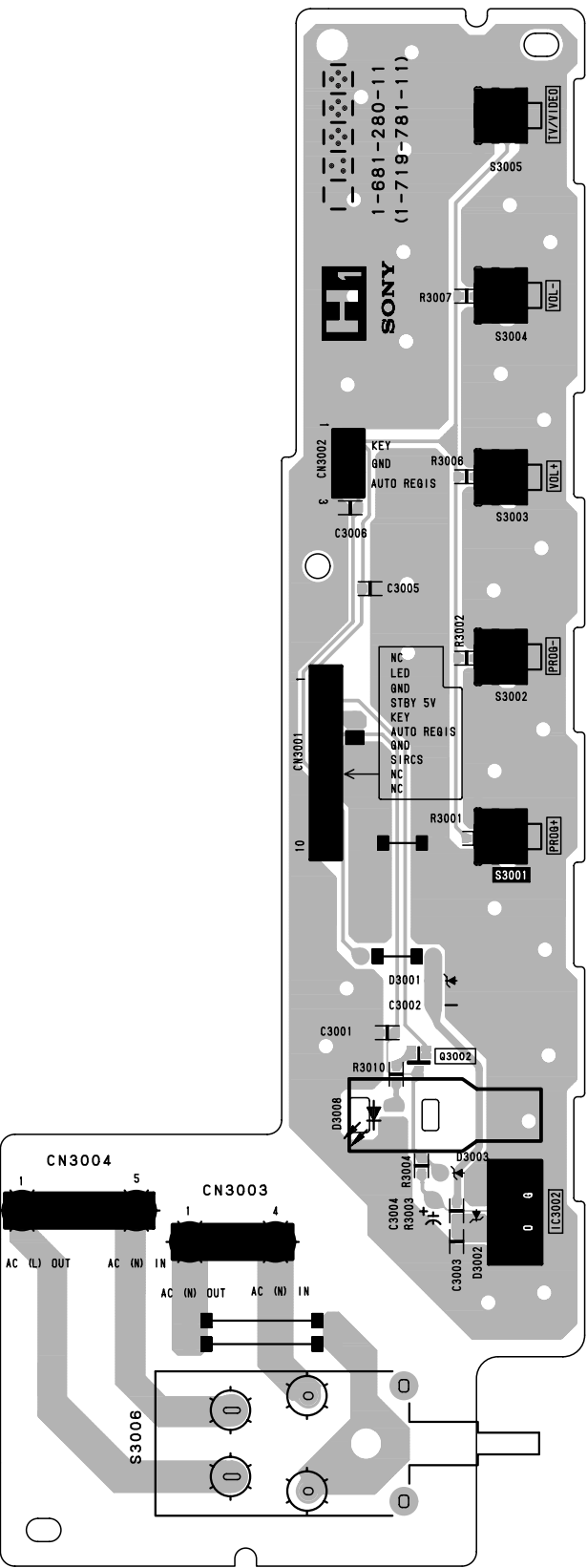
\*: Refer to Terminal name of  
semiconductors in silk screen  
printed circuit (see page 54)

(25) Schematic Diagram of H1 Board



**H1** [ USER CONTROL,  
MAIN SWITCH ]

— H1 BOARD —



**H1 BOARD**  
Terminal name of semiconductors  
in silk screen printed circuit (\*)

| Ref.  | * |
|-------|---|
| Q3002 | ① |

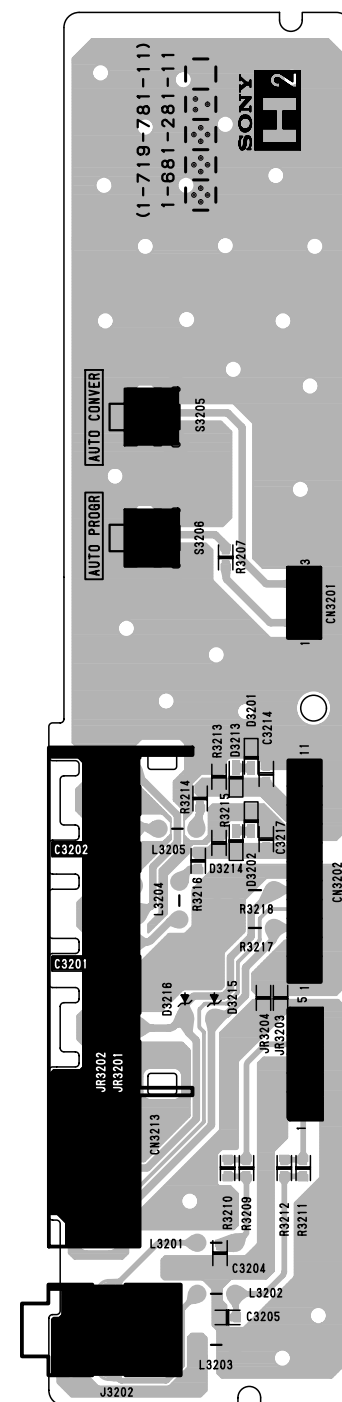
※: Refer to Terminal name of  
semiconductors in silk screen  
printed circuit (see page 54)

(26) Schematic Diagram of H2 Board

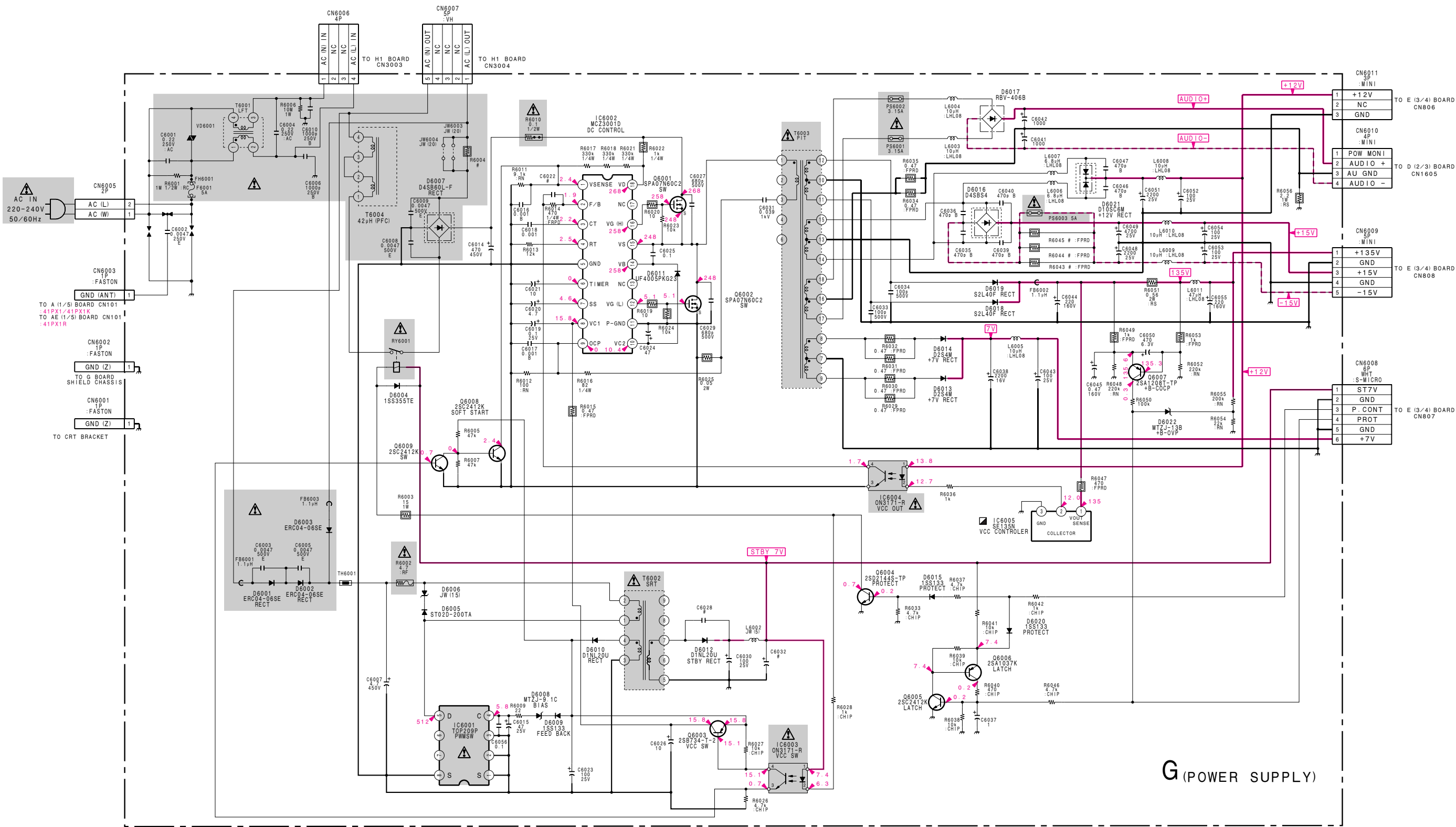


## H2 [ AV INPUT, HP OUT, USER CONTROL ]

— H2 BOARD —

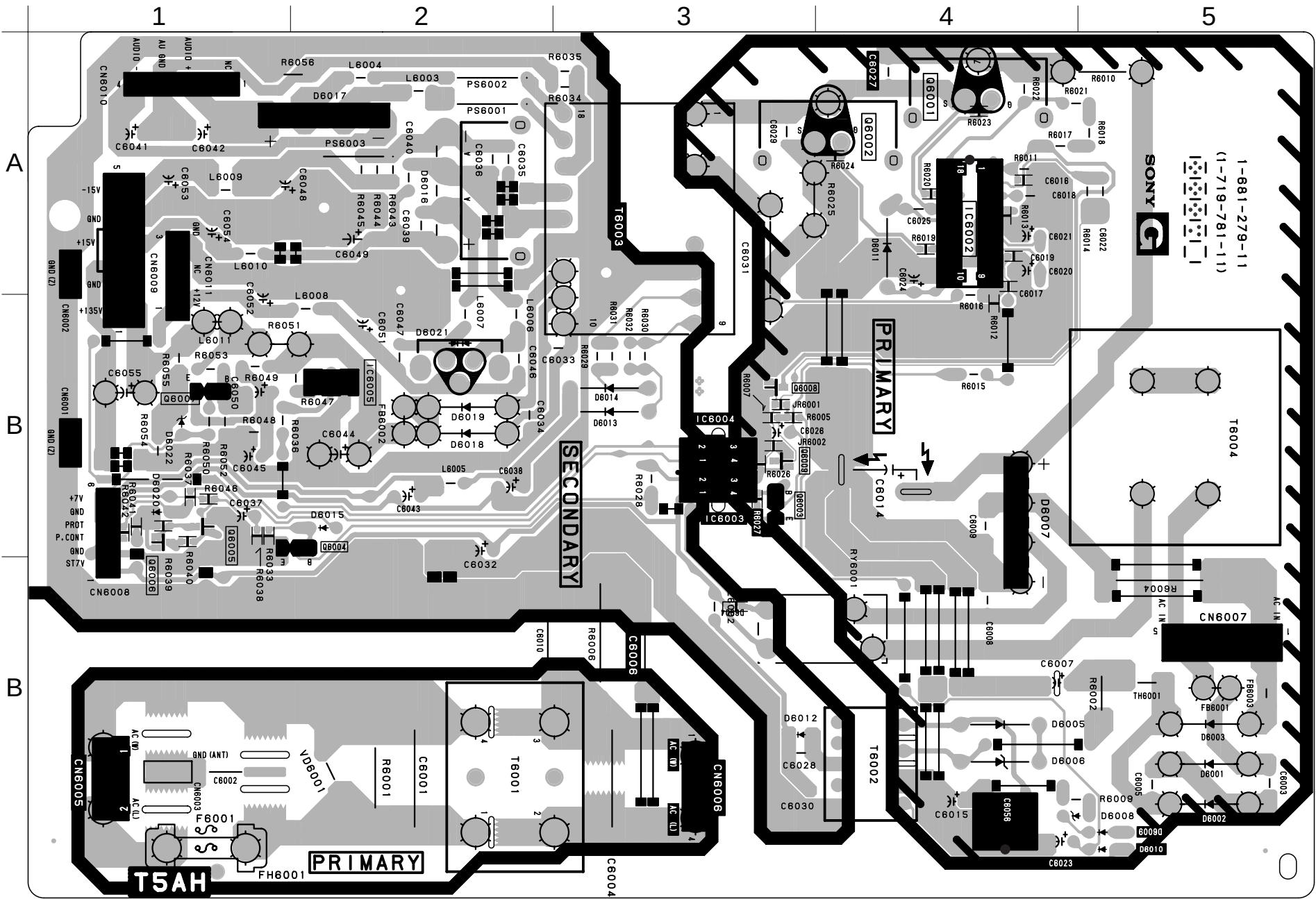


(27) Schematic Diagram of G Board



B-SS774 <AEP>-G. -05

**G** [POWER SUPPLY]



• G BOARD SEMICONDUCTOR LOCATION

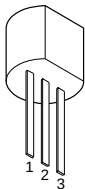
| IC         |     |
|------------|-----|
| IC6001     | A-4 |
| IC6002     | A-4 |
| IC6003     | B-3 |
| IC6004     | B-3 |
| IC6005     | B-2 |
| TRANSISTOR |     |
| Q6001      | A-4 |
| Q6002      | A-4 |
| Q6003      | B-3 |
| Q6004      | B-2 |
| Q6005      | B-1 |
| Q6006      | B-1 |
| Q6007      | B-1 |
| Q6008      | B-3 |
| Q6009      | B-3 |
| DIODE      |     |
| D6001      | C-5 |
| D6002      | C-5 |
| D6003      | C-5 |
| D6004      | C-3 |
| D6005      | C-4 |
| D6007      | B-4 |
| D6008      | C-4 |
| D6009      | C-5 |
| D6010      | C-5 |
| D6011      | A-4 |
| D6012      | C-3 |
| D6013      | B-3 |
| D6014      | B-3 |
| D6015      | B-2 |
| D6016      | A-2 |
| D6017      | A-2 |
| D6018      | B-2 |
| D6019      | B-2 |
| D6020      | B-1 |
| D6021      | B-2 |
| D6022      | B-1 |

\*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 54)

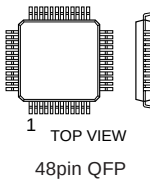
**NOTE:**  
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

7-5. SEMICONDUCTORS

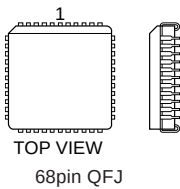
AN77L12-TA  
NJM78L12A-T3  
NJM79L12A  
NJM79L12A-T3



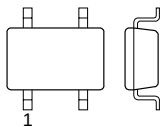
CXA2089Q-T6  
CXD2064Q-T6



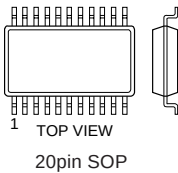
MSP3410D-C5-PS-B4  
MSP3411G-PS-B8  
SDA5273-3CP-C55-22-  
GEG



PST593C-MMP-4P



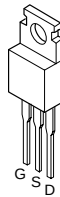
TDA8395T/N3



2SA1091-O  
2SA1091O-TPE2  
2SA1208  
2SA1208T-TP



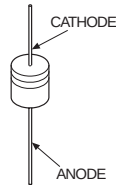
2SK2251-01-F19



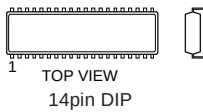
D10SC6M-4012



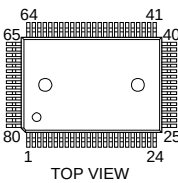
MTZJ-13  
MTZJ-13B  
MTZJ-7.5B  
MTZJ-T-77-13  
MTZJ-T-77-13B  
MTZJ-T-77-22  
MTZJ-T-77-3.6  
MTZJ-T-77-5.1  
MTZJ-T-77-5.1B  
MTZJ-T-77-5.6  
MTZJ-T-77-6.8B  
MTZJ-T-77-7.5B  
MTZJ-T-77-9.1  
RD3.0ES-T1B2  
RD3.0ESB2  
RD3.6ESB1  
RD4.7ES-T1B  
RD4.7ESB2  
RD5.1ESB1  
RD5.1ESB2  
RD5.6ESB2  
RD6.8ES-B2  
RD9.1ES-B3  
1SS133T-77



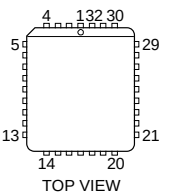
CA0007AD  
NJM2058D  
μPC339C



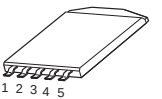
CXD2044Q-TL



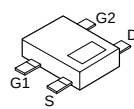
M27C2001-12C1-PZ01  
M27C2001-12C1-RR403



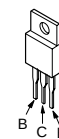
PST9143NL



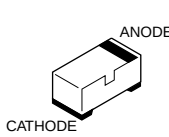
BSS83



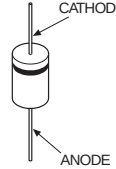
2SA1837(LBS2SONY)  
2SC4634LS-CB11  
2SC4793(LBS2SONY)  
2SC5022-02



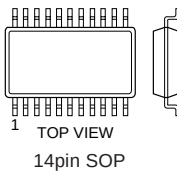
BAS216



D2S4M



CA0007AM  
MC14066BF  
MC14066BFEL



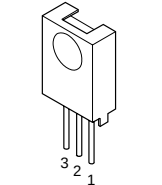
CXP86213-003S



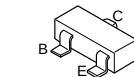
NJM4560D  
RC4560D  
TDA2822M  
TDA7264  
TOP209P



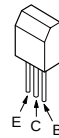
SBX3081-51(20)  
SBX3081-51(30)



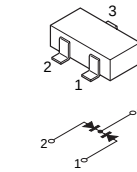
DTA144EKA-T146  
DTC143TKA-T146  
DTC144EKA  
DTC144EKA-T146  
2SA1037AK-T146-QR  
2SA1037AK-T146-R  
2SC1623-L5L6  
2SC2412K-T-146-QR



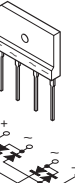
2SB734-34  
2SB734-T-2



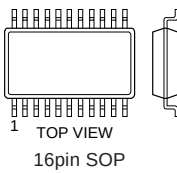
DAN202K  
DAN202K-T-146



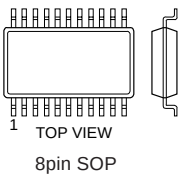
D4SB60L-F  
D4SBS4  
D4SBS4-F  
RBA-406B  
RBV-406B



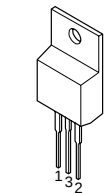
CXA1315M  
CXA1315M-T4  
TDA4665T/V5-118



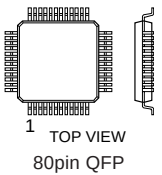
LM358D  
LM358DR  
M24C08-MN6T(A)  
M24C32-MN6T  
NJM2240M  
NJM2240M (TE2)



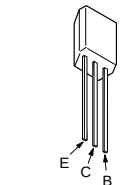
NJM79M05FA



SDA30C263-GEG



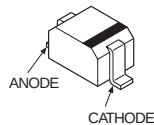
DTC144ESA-TP  
2SD2144S-TP-UVW  
2SD2144S-UVW



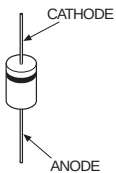
2SC2611-15



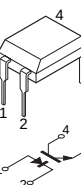
DTZ33B  
MA8330-TX  
UDZSTE-175.6B  
UDZSTE-176.8B  
UDZSTE-179.1B  
1SS355TE-17



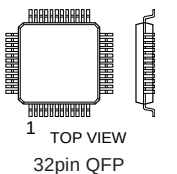
ERC04-06SE  
ERC06-15S



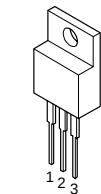
ON3171-R



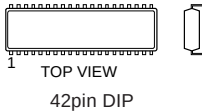
CXA2040AQ-T4



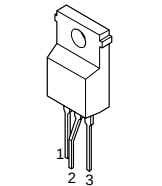
L7812CV  
LM2940CT-5.0  
NJM78M05FA  
PQ09RF2



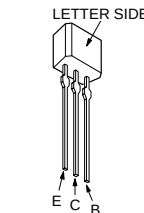
PM0011AS



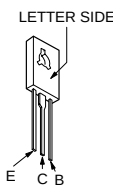
SE135N  
SE135N-LF12



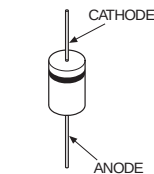
DTC144ESA  
2SA1175-HFE  
2SA1309A-QRSTA  
2SC3311A-QRSTA



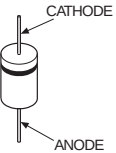
2SC2688-LK



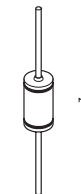
D1NL20U-TR2  
EL1Z  
EL1Z-V1  
GP08D  
GP08DPKG23  
MTZJ-T-77-5.6B  
MTZJ-T-77-9.1A  
MTZJ-T-77-9.1C  
RGP02-20EL-6394  
RGP10GPKG23  
S2L40F  
ST02D-200TA  
UF4005PKG23



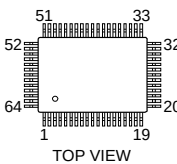
ERD29-08J



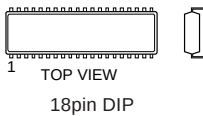
RD9.1EW  
RD9.1EW-T1



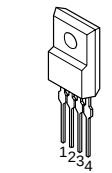
CXA2076Q-TL



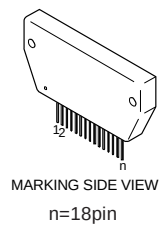
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PA0053B



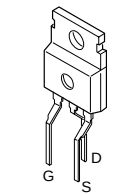
PQ05RF11



STK392-150



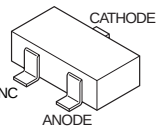
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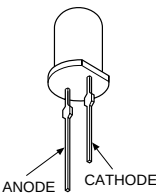
2SD2539(LBSONY-1)



MA3030-H(TX)  
MA3240-TX



SEL1210S-D



## SECTION 8 EXPLODED VIEWS

**NOTE:**

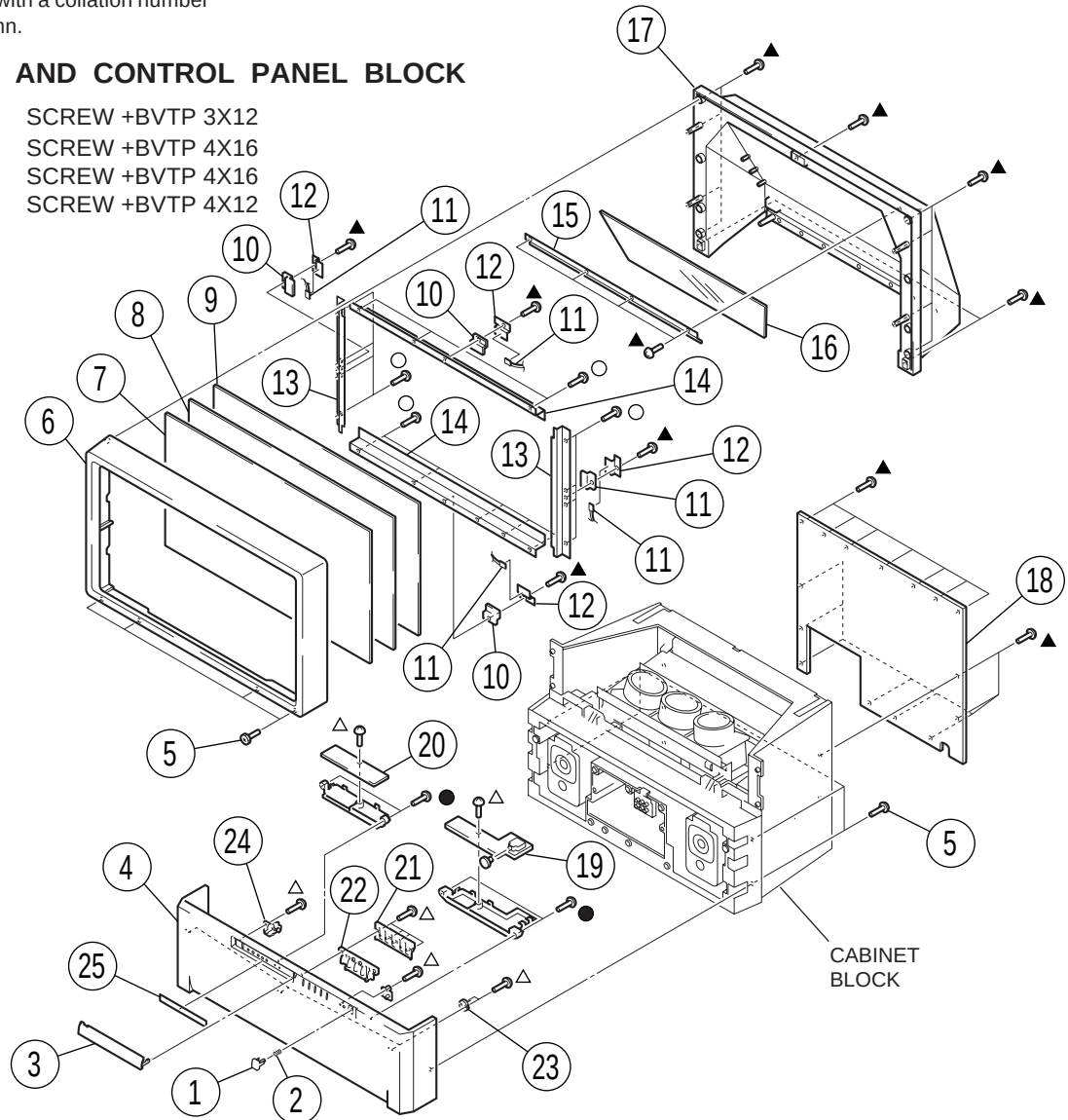
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

### 8-1. SCREEN AND CONTROL PANEL BLOCK

- △ : 7-685-648-71 SCREW +BVTP 3X12  
 ● : 7-685-663-71 SCREW +BVTP 4X16  
 ▲ : 7-685-663-79 SCREW +BVTP 4X16  
 ○ : 7-685-661-79 SCREW +BVTP 4X12

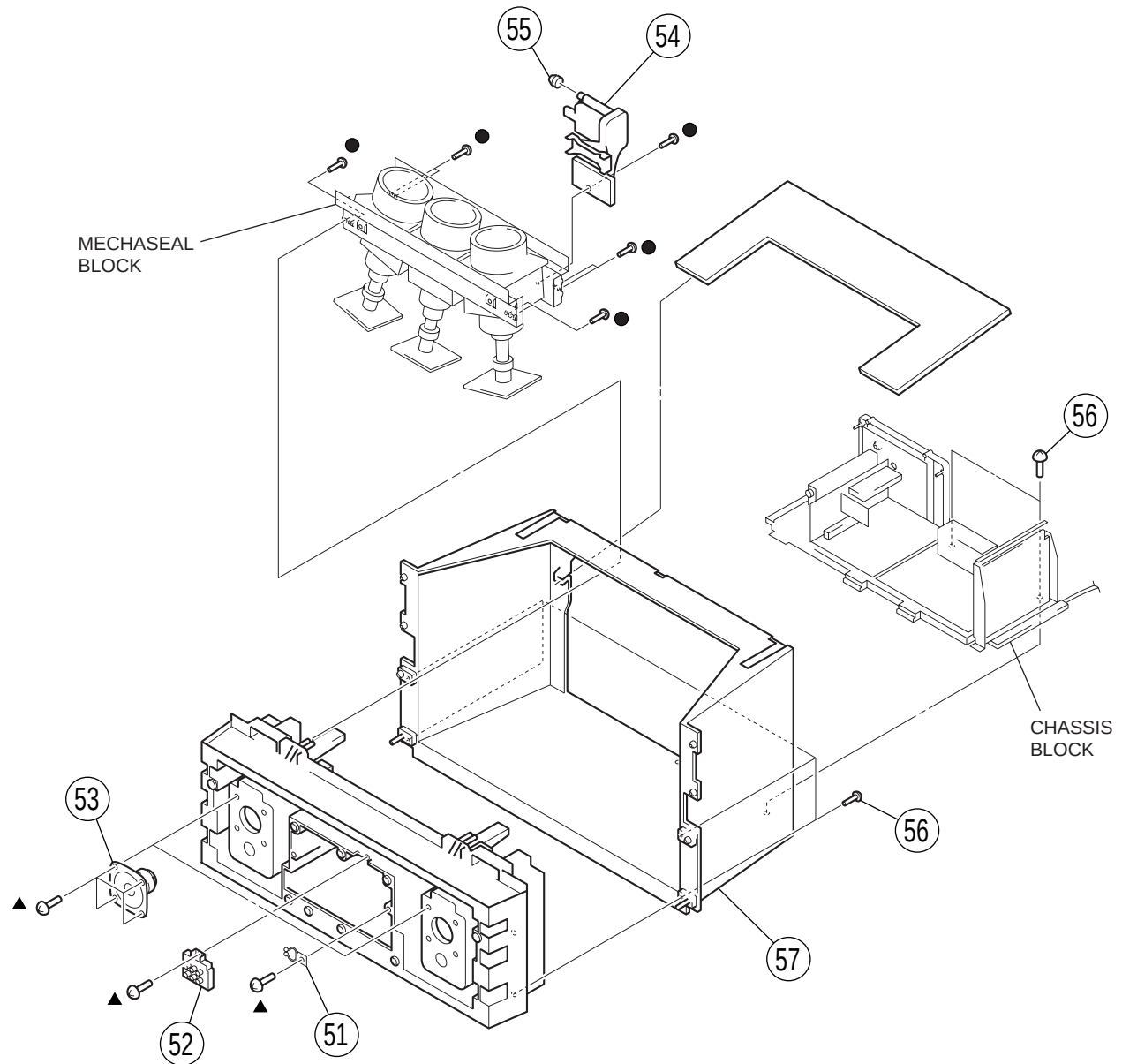


| REF.NO. | PART NO.      | DESCRIPTION             | REMARK | REF.NO. | PART NO.      | DESCRIPTION         | REMARK |
|---------|---------------|-------------------------|--------|---------|---------------|---------------------|--------|
| 1       | 4-206-033-01  | BUTTON POWER            |        | 14      | *4-063-160-01 | HOLDER (H), SCREEN  |        |
| 2       | 4-202-964-01  | SPRING                  |        | 15      | *4-066-129-01 | HOLDER, MIRROR      |        |
| 3       | 4-206-036-01  | DOOR, CONTROL           |        | 16      | 4-206-414-01  | MIRROR (41)         |        |
| 4       | X-4200-708-1  | GRILLE ASSY, SPEAKER    |        | 17      | *4-062-540-11 | COVER, MIRROR       |        |
| 5       | 4-378-522-31  | SCREW, TAPPING, HEXAGON |        | 18      | *4-063-177-01 | BOARD (41), REAR    |        |
| 6       | X-4200-706-1  | BEZNET ASSY             |        | 19      | *A-1646-237-A | H1 BOARD, COMPLETE  |        |
| 7       | 4-063-365-11  | SCREEN, CONTRAST        |        | 20      | *A-1646-238-A | H2 BOARD, COMPLETE  |        |
| 8       | 4-070-236-11  | PLATE (L), DIFFUSION    |        | 21      | 4-206-034-01  | BUTTON, MULTI       |        |
| 9       | 4-070-358-11  | PLATE (F), DIFFUSION    |        | 22      | 4-206-035-01  | COVER, MULTI BUTTON |        |
| 10      | *4-205-155-01 | COVER, SENSOR           |        | 23      | 4-054-709-01  | STRIKE              |        |
| 11      | 1-528-864-12  | BATTERY, SOLAR          |        | 24      | 4-076-673-03  | DAMPER, DOOR        |        |
| 12      | *4-066-132-01 | HOLDER, SENSOR          |        | 25      | 4-206-030-01  | LABEL CONTROL       |        |
| 13      | *4-066-126-01 | HOLDER (V), SCREEN      |        |         |               |                     |        |

## 8-2. CABINET BLOCK

- : 7-685-663-71 SCREW +BVTP 4X16
- ▲ : 7-685-663-79 SCREW +BVTP 4X16

The components identified by shading and mark ▲ are critical for safety.  
Replace only with part number specified.

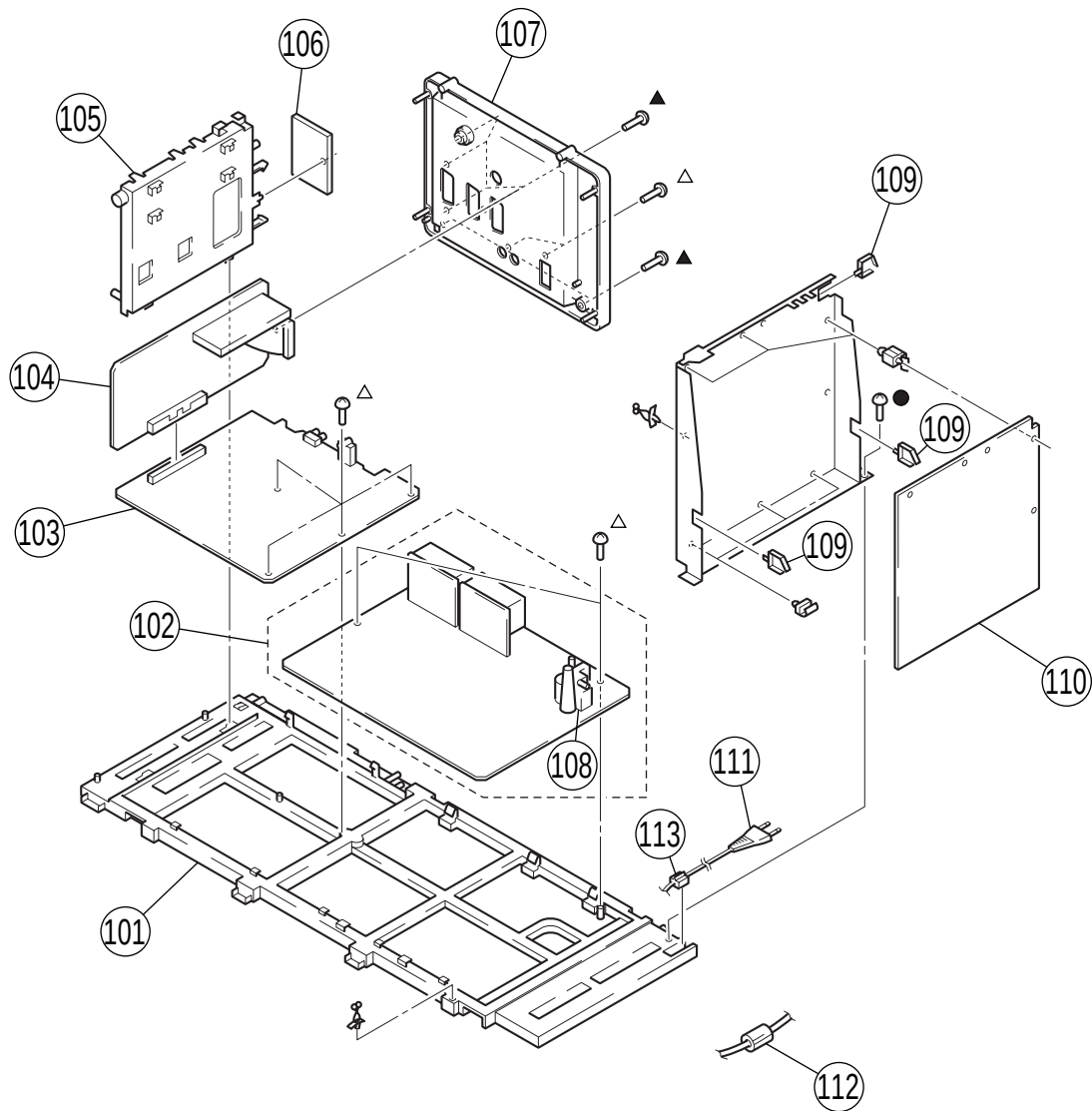


| REF.NO. | PART NO.       | DESCRIPTION                  | REMARK | REF.NO. | PART NO.       | DESCRIPTION                  | REMARK |
|---------|----------------|------------------------------|--------|---------|----------------|------------------------------|--------|
| 51      | *4-063-176-01  | HOLDER, HVR                  |        | 54      | ▲ 8-598-955-13 | BLOCK ASSY, HIGH-VOLTAGE     |        |
| 52      | ▲ 1-223-925-71 | RESISTOR ASSY (HIGH-VOLTAGE) |        | 55      | 4-373-137-02   | CAP (Z), RUBBER              |        |
|         |                | (FOCUS PACK)                 |        | 56      | 4-378-522-31   | SCREW, TAPPING, HEXAGON HEAD |        |
| 53      | 1-505-426-11   | SPEAKER (10.6 CM)            |        | 57      | 4-062-539-11   | CABINET (REAR)               |        |

### 8-3. MAIN BRACKET BLOCK

- △ : 7-685-648-71 SCREW +BVTP 3X12  
 ● : 7-685-663-71 SCREW +BVTP 4X16  
 ▲ : 7-685-663-79 SCREW +BVTP 4X16

The components identified by shading and mark △ are critical for safety.  
 Replace only with part number specified.



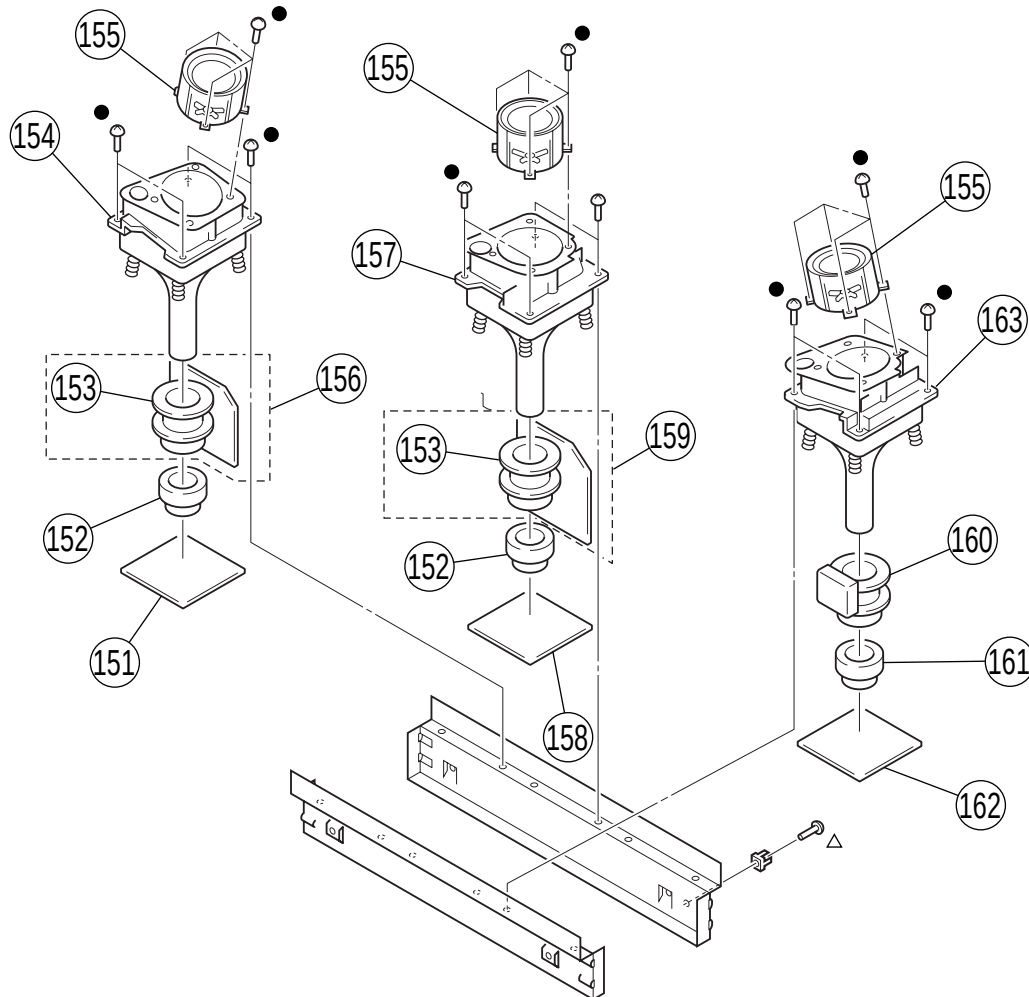
| REF.NO. | PART NO.      | DESCRIPTION                      | REMARK | REF.NO. | PART NO.       | DESCRIPTION                                  | REMARK |
|---------|---------------|----------------------------------|--------|---------|----------------|----------------------------------------------|--------|
| 101     | *4-062-537-03 | BRACKET, MAIN                    |        | 107     | 4-063-178-01   | BOARD (EURO), TERMINAL                       |        |
| 102     | *A-1642-288-A | E BOARD, COMPLETE                | 108    | 108     | △ 1-453-331-21 | TRANSFORMER ASSY, FLYBACK<br>(NX-4010//M3P4) |        |
| 103     | *A-1346-678-A | D BOARD, COMPLETE (41PX1R)       |        | 109     | *4-316-015-02  | HOLDER, WIRE                                 |        |
| 103     | *A-1642-284-A | D BOARD, COMPLETE (41PX1/41PX1K) |        | 110     | *A-1637-023-A  | G BOARD, COMPLETE                            |        |
| 104     | *A-1632-921-A | A BOARD, COMPLETE (41PX1/41PX1K) |        | 111     | △ 1-765-286-11 | CORD, POWER                                  |        |
| 104     | *A-1632-959-A | AE BOARD, COMPLETE (41PX1R)      |        | 112     | 1-543-653-21   | CORE ASSY, BEAD (DIVISION TYPE)              |        |
| 105     | *4-062-536-02 | BRACKET (A)                      |        | 113     | 4-022-115-00   | HOLDER, AC CORD                              |        |
| 106     | *A-1648-033-A | U BOARD, COMPLETE (41PX1/41PX1K) |        |         |                |                                              |        |
| 106     | *A-1648-034-A | UE BOARD, COMPLETE (41PX1R)      |        |         |                |                                              |        |

## 8-4. MECHASEAL BLOCK

△ : 7-685-648-71 SCREW +BVTP 3X12

● : 7-685-663-71 SCREW +BVTP 4X16

The components identified by shading and mark △ are critical for safety.  
Replace only with part number specified.



| REF.NO. | PART NO.       | DESCRIPTION               | REMARK | REF.NO. | PART NO.       | DESCRIPTION               | REMARK |
|---------|----------------|---------------------------|--------|---------|----------------|---------------------------|--------|
| 151     | * A-1638-152-A | CR BOARD, COMPLETE        |        | 158     | * A-1638-151-A | CG BOARD, COMPLETE        |        |
| 152     | △ 1-452-790-41 | NECK ASSY                 |        | 159     | * A-1652-078-A | ZG BOARD, COMPLETE        | 153    |
| 153     | △ 1-451-517-31 | DEFLECTION YOKE           |        | 160     | △ 1-451-517-21 | DEFLECTION YOKE           |        |
| 154     | △ A-1501-213-A | MECHASEAL ASSY (R), SLANT |        | 161     | △ 1-452-790-31 | NECK ASSY                 |        |
| 155     | 4-056-258-11   | LENS (DELTA 78)           |        | 162     | * A-1638-150-A | CB BOARD, COMPLETE        |        |
| 156     | * A-1652-079-A | ZR BOARD, COMPLETE        | 153    | 163     | △ A-1501-215-A | MECHASEAL ASSY (B), SLANT |        |
| 157     | △ A-1501-214-A | MECHASEAL ASSY (G), SLANT |        |         |                |                           |        |

# SECTION 9

## ELECTRICAL PARTS LIST



### NOTE:

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

The components identified by  $\square$  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

### RESISTORS

- All resistors are in ohms
- F : nonflammable

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• CAPACITORS  
PF :  $\mu$ F

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

| REF.NO. | PART NO.                                       | DESCRIPTION                 | REMARK  | REF.NO. | PART NO.     | DESCRIPTION                 | REMARK  |
|---------|------------------------------------------------|-----------------------------|---------|---------|--------------|-----------------------------|---------|
|         | * A-1632-921-AA BOARD, COMPLETE (41PX1/41PX1K) |                             |         | C121    | 1-162-925-11 | CERAMIC CHIP 68pF           | 5% 50V  |
|         | *****                                          |                             |         | C122    | 1-115-412-11 | CERAMIC CHIP 680pF          | 5% 25V  |
|         | <CAPACITOR>                                    |                             |         | C123    | 1-162-925-11 | CERAMIC CHIP 68pF           | 5% 50V  |
| C1      | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C124    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C2      | 1-104-660-91                                   | ELECT 47 $\mu$ F            | 20% 16V | C125    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C3      | 1-162-921-11                                   | CERAMIC CHIP 33pF           | 5% 50V  | C126    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C4      | 1-162-921-11                                   | CERAMIC CHIP 33pF           | 5% 50V  | C127    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C8      | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C128    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C15     | 1-164-315-11                                   | CERAMIC CHIP 470pF          | 5% 50V  | C129    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C18     | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C130    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C19     | 1-162-968-11                                   | CERAMIC CHIP 0.0047 $\mu$ F | 10% 50V | C131    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C20     | 1-162-970-11                                   | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V | C132    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C21     | 1-162-970-11                                   | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V | C133    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C22     | 1-162-927-11                                   | CERAMIC CHIP 100pF          | 5% 50V  | C134    | 1-162-927-11 | CERAMIC CHIP 100pF          | 5% 50V  |
| C24     | 1-115-416-11                                   | CERAMIC CHIP 0.001 $\mu$ F  | 5% 25V  | C136    | 1-126-964-11 | ELECT 10 $\mu$ F            | 20% 50V |
| C25     | 1-104-660-91                                   | ELECT 47 $\mu$ F            | 20% 16V | C137    | 1-104-660-91 | ELECT 47 $\mu$ F            | 20% 16V |
| C26     | 1-104-660-91                                   | ELECT 47 $\mu$ F            | 20% 16V | C138    | 1-126-964-11 | ELECT 10 $\mu$ F            | 20% 50V |
| C28     | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C139    | 1-162-970-11 | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V |
| C29     | 1-162-964-11                                   | CERAMIC CHIP 0.001 $\mu$ F  | 10% 50V | C140    | 1-126-964-11 | ELECT 10 $\mu$ F            | 20% 50V |
| C45     | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C141    | 1-126-934-11 | ELECT 220 $\mu$ F           | 20% 16V |
| C90     | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C142    | 1-162-926-11 | CERAMIC CHIP 82pF           | 5% 50V  |
| C101    | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C143    | 1-162-927-11 | CERAMIC CHIP 100pF          | 5% 50V  |
| C102    | 1-126-934-11                                   | ELECT 220 $\mu$ F           | 20% 16V | C144    | 1-164-217-11 | CERAMIC CHIP 150pF          | 5% 50V  |
| C103    | 1-126-965-91                                   | ELECT 22 $\mu$ F            | 20% 50V | C145    | 1-162-923-11 | CERAMIC CHIP 47pF           | 5% 50V  |
| C104    | 1-162-927-11                                   | CERAMIC CHIP 100pF          | 5% 50V  | C146    | 1-164-360-11 | CERAMIC CHIP 0.1 $\mu$ F    | 10% 16V |
| C105    | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C147    | 1-162-968-11 | CERAMIC CHIP 0.0047 $\mu$ F | 10% 50V |
| C106    | 1-126-933-11                                   | ELECT 100 $\mu$ F           | 20% 16V | C148    | 1-162-970-11 | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V |
| C107    | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C201    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C108    | 1-126-933-11                                   | ELECT 100 $\mu$ F           | 20% 16V | C202    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C109    | 1-164-227-11                                   | CERAMIC CHIP 0.022 $\mu$ F  | 10% 25V | C203    | 1-104-661-91 | ELECT 330 $\mu$ F           | 20% 16V |
| C110    | 1-104-660-91                                   | ELECT 47 $\mu$ F            | 20% 16V | C204    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C111    | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C205    | 1-126-965-91 | ELECT 22 $\mu$ F            | 20% 50V |
| C112    | 1-115-416-11                                   | CERAMIC CHIP 0.001 $\mu$ F  | 5% 25V  | C207    | 1-126-964-11 | ELECT 10 $\mu$ F            | 20% 50V |
| C113    | 1-104-660-91                                   | ELECT 47 $\mu$ F            | 20% 16V | C208    | 1-164-156-11 | CERAMIC CHIP 0.1 $\mu$ F    | 25V     |
| C114    | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C209    | 1-216-864-11 | SHORT 0                     |         |
| C115    | 1-162-970-11                                   | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V | C210    | 1-162-927-11 | CERAMIC CHIP 100pF          | 5% 50V  |
| C116    | 1-127-715-91                                   | CERAMIC CHIP 0.22 $\mu$ F   | 10% 16V | C211    | 1-126-965-91 | ELECT 22 $\mu$ F            | 20% 50V |
| C117    | 1-162-970-11                                   | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V | C212    | 1-164-360-11 | CERAMIC CHIP 0.1 $\mu$ F    | 10% 16V |
| C118    | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C213    | 1-162-970-11 | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V |
| C119    | 1-164-156-11                                   | CERAMIC CHIP 0.1 $\mu$ F    | 25V     | C214    | 1-164-360-11 | CERAMIC CHIP 0.1 $\mu$ F    | 10% 16V |
| C120    | 1-162-927-11                                   | CERAMIC CHIP 100pF          | 5% 50V  | C215    | 1-162-970-11 | CERAMIC CHIP 0.01 $\mu$ F   | 10% 25V |
|         |                                                |                             |         | C216    | 1-104-660-91 | ELECT 47 $\mu$ F            | 20% 16V |



| REF.NO. | PART NO.     | DESCRIPTION  | REMARK         | REF.NO. | PART NO.     | DESCRIPTION  | REMARK           |
|---------|--------------|--------------|----------------|---------|--------------|--------------|------------------|
| C217    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C279    | 1-126-965-91 | ELECT        | 22μF 20% 50V     |
| C218    | 1-104-660-91 | ELECT        | 47μF 20% 16V   | C280    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C219    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C281    | 1-126-965-91 | ELECT        | 22μF 20% 50V     |
| C220    | 1-126-933-11 | ELECT        | 100μF 20% 16V  | C282    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C221    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V     | C283    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C222    | 1-164-360-11 | CERAMIC CHIP | 0.1μF 10% 16V  | C284    | 1-126-935-11 | ELECT        | 470μF 20% 10V    |
| C223    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C300    | 1-162-927-11 | CERAMIC CHIP | 100pF 5% 50V     |
| C224    | 1-164-360-11 | CERAMIC CHIP | 0.1μF 10% 16V  | C301    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C225    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C302    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V   |
| C226    | 1-104-660-91 | ELECT        | 47μF 20% 16V   | C303    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V   |
| C227    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C304    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C228    | 1-104-660-91 | ELECT        | 47μF 20% 16V   | C305    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C229    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C306    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C230    | 1-162-927-11 | CERAMIC CHIP | 100pF 5% 50V   | C307    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C232    | 1-216-864-11 | SHORT        | 0              | C308    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C236    | 1-162-927-11 | CERAMIC CHIP | 100pF 5% 50V   | C309    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V          |
| C237    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V     | C310    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V          |
| C240    | 1-126-933-11 | ELECT        | 100μF 20% 16V  | C311    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V          |
| C241    | 1-104-660-91 | ELECT        | 47μF 20% 16V   | C312    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V       |
| C242    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C313    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V   |
| C243    | 1-126-967-11 | ELECT        | 47μF 20% 50V   | C315    | 1-216-864-11 | SHORT        | 0                |
| C244    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | C316    | 1-162-921-11 | CERAMIC CHIP | 33pF 5% 50V      |
| C245    | 1-126-963-11 | ELECT        | 4.7μF 20% 50V  | C317    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C246    | 1-104-660-91 | ELECT        | 47μF 20% 16V   | C318    | 1-162-921-11 | CERAMIC CHIP | 33pF 5% 50V      |
| C247    | 1-104-660-91 | ELECT        | 47μF 20% 16V   | C320    | 1-126-965-91 | ELECT        | 22μF 20% 50V     |
| C248    | 1-162-927-11 | CERAMIC CHIP | 100pF 5% 50V   | C321    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C249    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | C322    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C250    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | C323    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C251    | 1-162-909-11 | CERAMIC CHIP | 4pF 0.25pF 50V | C324    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V        |
| C252    | 1-162-909-11 | CERAMIC CHIP | 4pF 0.25pF 50V | C325    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V          |
| C253    | 1-162-927-11 | CERAMIC CHIP | 100pF 5% 50V   | C326    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V   |
| C254    | 1-162-923-11 | CERAMIC CHIP | 47pF 5% 50V    | C327    | 1-137-374-11 | MYLAR        | 0.047μF 5% 50V   |
| C255    | 1-162-927-11 | CERAMIC CHIP | 100pF 5% 50V   | C328    | 1-126-965-91 | ELECT        | 22μF 20% 50V     |
| C256    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | C330    | 1-130-777-00 | MYLAR        | 0.1μF 5% 63V     |
| C257    | 1-126-965-91 | ELECT        | 22μF 20% 50V   | C331    | 1-137-581-11 | FILM         | 0.1μF 5% 100V    |
| C258    | 1-126-964-11 | ELECT        | 10μF 20% 50V   | C332    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C259    | 1-113-619-11 | CERAMIC CHIP | 0.47μF 10V     | C333    | 1-126-933-11 | ELECT        | 100μF 20% 16V    |
| C260    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | C334    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C261    | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V   | C335    | 1-113-619-11 | CERAMIC CHIP | 0.47μF 10V       |
| C262    | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V   | C336    | 1-162-964-11 | CERAMIC CHIP | 0.001μF 10% 50V  |
| C263    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | C337    | 1-162-964-11 | CERAMIC CHIP | 0.001μF 10% 50V  |
| C264    | 1-126-962-11 | ELECT        | 3.3μF 20% 50V  | C338    | 1-126-962-11 | ELECT        | 3.3μF 20% 50V    |
| C265    | 1-126-964-11 | ELECT        | 10μF 20% 50V   | C339    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V   |
| C266    | 1-126-964-11 | ELECT        | 10μF 20% 50V   | C340    | 1-126-933-11 | ELECT        | 100μF 20% 16V    |
| C267    | 1-126-965-91 | ELECT        | 22μF 20% 50V   | C341    | 1-113-619-11 | CERAMIC CHIP | 0.47μF 10V       |
| C268    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | C342    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V          |
| C269    | 1-164-392-11 | CERAMIC CHIP | 390pF 5% 50V   | C343    | 1-162-968-11 | CERAMIC CHIP | 0.0047μF 10% 50V |
| C270    | 1-164-392-11 | CERAMIC CHIP | 390pF 5% 50V   | C344    | 1-162-927-11 | CERAMIC CHIP | 100pF 5% 50V     |
| C271    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V | C347    | 1-126-963-11 | ELECT        | 4.7μF 20% 50V    |
| C272    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V | C348    | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V     |
| C273    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V | C349    | 1-162-921-11 | CERAMIC CHIP | 33pF 5% 50V      |
| C274    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V | C350    | 1-126-963-11 | ELECT        | 4.7μF 20% 50V    |
| C275    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | C351    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V       |
| C276    | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | C352    | 1-113-619-11 | CERAMIC CHIP | 0.47μF 10V       |
| C277    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V     | C353    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V       |
| C278    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V     | C354    | 1-113-619-11 | CERAMIC CHIP | 0.47μF 10V       |



| REF.NO. | PART NO.     | DESCRIPTION  | REMARK         | REF.NO. | PART NO.       | DESCRIPTION                             | REMARK |
|---------|--------------|--------------|----------------|---------|----------------|-----------------------------------------|--------|
| C355    | 1-126-965-91 | ELECT        | 22μF 20% 50V   | C4101   | 1-164-217-11   | CERAMIC CHIP 150pF 5% 50V               |        |
| C356    | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V |         |                |                                         |        |
| C357    | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V   |         |                |                                         |        |
|         |              |              |                |         |                | <FILTER>                                |        |
| C358    | 1-113-619-11 | CERAMIC CHIP | 0.47μF 10V     |         |                |                                         |        |
| C359    | 1-162-917-11 | CERAMIC CHIP | 15pF 5% 50V    | CF120   | 1-409-327-00   | TRAP, CERAMIC (6.5MHZ)                  |        |
| C360    | 1-162-917-11 | CERAMIC CHIP | 15pF 5% 50V    |         |                |                                         |        |
| C361    | 1-162-921-11 | CERAMIC CHIP | 33pF 5% 50V    |         |                | <CONNECTOR>                             |        |
| C362    | 1-162-921-11 | CERAMIC CHIP | 33pF 5% 50V    |         |                |                                         |        |
|         |              |              |                | CN1     | 1-695-302-11   | CONNECTOR, BOARD TO BOARD 50P           |        |
| C370    | 1-135-834-91 | CERAMIC CHIP | 2.2μF 6.3V     | CN6     | * 1-564-516-11 | PLUG, CONNECTOR 13P                     |        |
| C371    | 1-115-416-11 | CERAMIC CHIP | 0.001μF 5% 25V | CN101   | 1-695-915-11   | TAB (CONTACT)                           |        |
| C372    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | CN102   | 1-695-915-11   | TAB (CONTACT)                           |        |
| C373    | 1-127-715-91 | CERAMIC CHIP | 0.22μF 10% 16V | CN104   | * 1-508-784-00 | PIN, CONNECTOR (5MM PITCH) 1P           |        |
| C380    | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      |         |                |                                         |        |
|         |              |              |                | CN201   | 1-766-296-11   | CONNECTOR, DUAL SCART (AV1, AV2 IN/OUT) |        |
| C1001   | 1-162-919-11 | CERAMIC CHIP | 22pF 5% 50V    |         |                |                                         |        |
| C1002   | 1-162-919-11 | CERAMIC CHIP | 22pF 5% 50V    | CN301   | * 1-564-510-11 | PLUG, CONNECTOR 7P                      |        |
| C1010   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | CN4501  | * 1-564-511-11 | PLUG, CONNECTOR 8P                      |        |
| C1013   | 1-126-965-91 | ELECT        | 22μF 20% 50V   | CN4502  | * 1-564-510-11 | PLUG, CONNECTOR 7P                      |        |
| C1014   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      |         |                |                                         |        |
|         |              |              |                |         |                | <DIODE>                                 |        |
| C1015   | 1-127-715-91 | CERAMIC CHIP | 0.22μF 10% 16V | D2      | 8-719-988-61   | DIODE 1SS355TE-17                       |        |
| C1020   | 1-164-230-11 | CERAMIC CHIP | 220pF 5% 50V   | D11     | 8-719-069-55   | DIODE UDZSTE-175.6B                     |        |
| C4017   | 1-162-922-11 | CERAMIC CHIP | 39pF 5% 50V    | D12     | 8-719-069-55   | DIODE UDZSTE-175.6B                     |        |
| C4031   | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | D16     | 8-719-988-61   | DIODE 1SS355TE-17                       |        |
| C4032   | 1-126-964-11 | ELECT        | 10μF 20% 50V   | D101    | 8-719-977-81   | DIODE DTZ33B                            |        |
|         |              |              |                |         |                |                                         |        |
| C4033   | 1-126-933-11 | ELECT        | 100μF 20% 16V  | D102    | 8-719-988-61   | DIODE 1SS355TE-17                       |        |
| C4035   | 1-126-964-11 | ELECT        | 10μF 20% 50V   | D201    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4036   | 1-126-964-11 | ELECT        | 10μF 20% 50V   | D202    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4038   | 1-126-964-11 | ELECT        | 10μF 20% 50V   | D203    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4039   | 1-126-964-11 | ELECT        | 10μF 20% 50V   | D204    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
|         |              |              |                |         |                |                                         |        |
| C4040   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D205    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4041   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D206    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4042   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D207    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4043   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D208    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4044   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D209    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
|         |              |              |                |         |                |                                         |        |
| C4045   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D210    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4046   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D211    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4047   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D212    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4048   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D213    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4055   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D214    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
|         |              |              |                |         |                |                                         |        |
| C4056   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D215    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4057   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D216    | 8-719-069-55   | DIODE UDZSTE-175.6B                     |        |
| C4058   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D217    | 8-719-069-55   | DIODE UDZSTE-175.6B                     |        |
| C4059   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D218    | 8-719-069-55   | DIODE UDZSTE-175.6B                     |        |
| C4060   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D220    | 8-719-988-61   | DIODE 1SS355TE-17                       |        |
|         |              |              |                |         |                |                                         |        |
| C4061   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D221    | 8-719-988-61   | DIODE 1SS355TE-17                       |        |
| C4062   | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V      | D222    | 8-719-069-55   | DIODE UDZSTE-175.6B                     |        |
| C4064   | 1-126-964-11 | ELECT        | 10μF 20% 50V   | D223    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4066   | 1-126-959-11 | ELECT        | 0.47μF 20% 50V | D224    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4067   | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | D225    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
|         |              |              |                |         |                |                                         |        |
| C4068   | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | D226    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
| C4071   | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | D251    | 8-719-047-16   | DIODE BAS216                            |        |
| C4072   | 1-115-156-11 | CERAMIC CHIP | 1μF 10V        | D303    | 8-719-988-61   | DIODE 1SS355TE-17                       |        |
| C4082   | 1-126-964-11 | ELECT        | 10μF 20% 50V   | D304    | 8-719-988-61   | DIODE 1SS355TE-17                       |        |
| C4088   | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V   | D320    | 8-719-069-60   | DIODE UDZSTE-179.1B                     |        |
|         |              |              |                |         |                |                                         |        |
| C4089   | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V   |         |                |                                         |        |
| C4090   | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V |         |                |                                         |        |
| C4091   | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V |         |                |                                         |        |





| REF.NO. | PART NO.     | DESCRIPTION                 | REMARK | REF.NO. | PART NO.     | DESCRIPTION     | REMARK     |
|---------|--------------|-----------------------------|--------|---------|--------------|-----------------|------------|
| Q106    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |         |              |                 |            |
| Q107    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |         |              |                 |            |
| Q108    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |         |              | <RESISTOR>      |            |
| Q109    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R1      | 1-216-821-11 | RES-CHIP 1K     | 5% 1/16W   |
| Q110    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R2      | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q111    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R3      | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q112    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R4      | 1-216-803-11 | RES-CHIP 33     | 5% 1/16W   |
| Q113    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R5      | 1-216-833-11 | RES-CHIP 10K    | 5% 1/16W   |
| Q114    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R6      | 1-208-798-11 | METAL CHIP 4.7K | 0.5% 1/10W |
| Q115    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R7      | 1-216-817-11 | RES-CHIP 470    | 5% 1/16W   |
| Q116    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R9      | 1-216-817-11 | RES-CHIP 470    | 5% 1/16W   |
| Q117    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R20     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q118    | 8-729-039-67 | TRANSISTOR BSS83            |        | R21     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q120    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R24     | 1-216-829-11 | RES-CHIP 4.7K   | 5% 1/16W   |
| Q121    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R25     | 1-216-829-11 | RES-CHIP 4.7K   | 5% 1/16W   |
| Q122    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R28     | 1-216-833-11 | RES-CHIP 10K    | 5% 1/16W   |
| Q124    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R29     | 1-216-829-11 | RES-CHIP 4.7K   | 5% 1/16W   |
| Q125    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R30     | 1-216-829-11 | RES-CHIP 4.7K   | 5% 1/16W   |
| Q130    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R31     | 1-216-829-11 | RES-CHIP 4.7K   | 5% 1/16W   |
| Q201    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R32     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q203    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R33     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q204    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R34     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q205    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R35     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q206    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R39     | 1-216-833-11 | RES-CHIP 10K    | 5% 1/16W   |
| Q207    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R46     | 1-216-844-11 | RES-CHIP 82K    | 5% 1/16W   |
| Q208    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R49     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q209    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R52     | 1-216-837-11 | RES-CHIP 22K    | 5% 1/16W   |
| Q211    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R53     | 1-216-821-11 | RES-CHIP 1K     | 5% 1/16W   |
| Q212    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R54     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q213    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R58     | 1-216-828-11 | RES-CHIP 3.9K   | 5% 1/16W   |
| Q214    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R59     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q215    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R60     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q216    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R61     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q300    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R62     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q304    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R63     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q305    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R64     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q306    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R65     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q307    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R66     | 1-216-825-11 | RES-CHIP 2.2K   | 5% 1/16W   |
| Q308    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R67     | 1-216-825-11 | RES-CHIP 2.2K   | 5% 1/16W   |
| Q309    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R68     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q330    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R69     | 1-216-821-11 | RES-CHIP 1K     | 5% 1/16W   |
| Q331    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R70     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q333    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R71     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q334    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R72     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q335    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R73     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q401    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R74     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q402    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R76     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q403    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R78     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q404    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R79     | 1-216-813-11 | RES-CHIP 220    | 5% 1/16W   |
| Q405    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R80     | 1-216-821-11 | RES-CHIP 1K     | 5% 1/16W   |
| Q1001   | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |        | R83     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |
| Q1002   | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R84     | 1-216-845-11 | RES-CHIP 100K   | 5% 1/16W   |
| Q2412   | 8-729-027-56 | TRANSISTOR DTC143TKA-T146   |        | R85     | 1-216-843-11 | RES-CHIP 68K    | 5% 1/16W   |
| Q2414   | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        | R86     | 1-216-821-11 | RES-CHIP 1K     | 5% 1/16W   |
| Q4003   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R87     | 1-216-835-11 | RES-CHIP 15K    | 5% 1/16W   |
| Q4007   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        | R88     | 1-216-809-11 | RES-CHIP 100    | 5% 1/16W   |



| REF.NO. | PART NO.     | DESCRIPTION | REMARK        | REF.NO. | PART NO.     | DESCRIPTION | REMARK          |
|---------|--------------|-------------|---------------|---------|--------------|-------------|-----------------|
| R91     | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R151    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W    |
| R92     | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R152    | 1-216-827-11 | RES-CHIP    | 3.3K 5% 1/16W   |
| R93     | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W  | R153    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W    |
| R94     | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W  | R154    | 1-216-864-11 | SHORT       | 0               |
| R95     | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W  | R157    | 1-216-864-11 | SHORT       | 0               |
| R97     | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R160    | 1-216-864-11 | SHORT       | 0               |
| R100    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W  | R161    | 1-208-794-11 | METAL CHIP  | 3.3K 0.5% 1/10W |
| R101    | 1-216-864-11 | SHORT       | 0             | R162    | 1-208-790-11 | METAL CHIP  | 2.2K 0.5% 1/10W |
| R102    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R163    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W    |
| R103    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R164    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W    |
| R104    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | R165    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W    |
| R105    | 1-216-853-11 | RES-CHIP    | 470K 5% 1/16W | R166    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W    |
| R106    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | R167    | 1-216-818-11 | RES-CHIP    | 560 5% 1/16W    |
| R107    | 1-216-818-11 | RES-CHIP    | 560 5% 1/16W  | R168    | 1-216-830-11 | RES-CHIP    | 5.6K 5% 1/16W   |
| R108    | 1-216-842-11 | RES-CHIP    | 56K 5% 1/16W  | R169    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W    |
| R109    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R170    | 1-208-798-11 | METAL CHIP  | 4.7K 0.5% 1/10W |
| R110    | 1-216-832-11 | RES-CHIP    | 8.2K 5% 1/16W | R171    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W    |
| R111    | 1-216-811-11 | RES-CHIP    | 150 5% 1/16W  | R172    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W    |
| R112    | 1-216-811-11 | RES-CHIP    | 150 5% 1/16W  | R174    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R113    | 1-216-797-11 | RES-CHIP    | 10 5% 1/16W   | R175    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R114    | 1-216-811-11 | RES-CHIP    | 150 5% 1/16W  | R176    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R115    | 1-216-815-11 | RES-CHIP    | 330 5% 1/16W  | R177    | 1-208-811-11 | METAL CHIP  | 16K 0.5% 1/10W  |
| R116    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R178    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W    |
| R117    | 1-216-831-11 | RES-CHIP    | 6.8K 5% 1/16W | R179    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W    |
| R118    | 1-216-805-11 | RES-CHIP    | 47 5% 1/16W   | R180    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W    |
| R119    | 1-216-834-11 | RES-CHIP    | 12K 5% 1/16W  | R181    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W    |
| R120    | 1-216-831-11 | RES-CHIP    | 6.8K 5% 1/16W | R182    | 1-216-635-11 | METAL CHIP  | 220 0.5% 1/10W  |
| R121    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | R183    | 1-208-770-11 | METAL CHIP  | 330 0.5% 1/10W  |
| R122    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R184    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W    |
| R123    | 1-216-812-11 | RES-CHIP    | 180 5% 1/16W  | R185    | 1-216-818-11 | RES-CHIP    | 560 5% 1/16W    |
| R124    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R186    | 1-216-830-11 | RES-CHIP    | 5.6K 5% 1/16W   |
| R125    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | R187    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R126    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R188    | 1-216-825-11 | RES-CHIP    | 2.2K 5% 1/16W   |
| R127    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | R189    | 1-216-818-11 | RES-CHIP    | 560 5% 1/16W    |
| R128    | 1-216-814-11 | RES-CHIP    | 270 5% 1/16W  | R190    | 1-216-830-11 | RES-CHIP    | 5.6K 5% 1/16W   |
| R129    | 1-216-815-11 | RES-CHIP    | 330 5% 1/16W  | R191    | 1-216-825-11 | RES-CHIP    | 2.2K 5% 1/16W   |
| R130    | 1-216-827-11 | RES-CHIP    | 3.3K 5% 1/16W | R192    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R131    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | R193    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R132    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R194    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R133    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R195    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R134    | 1-216-797-11 | RES-CHIP    | 10 5% 1/16W   | R196    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R135    | 1-216-819-11 | RES-CHIP    | 680 5% 1/16W  | R197    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R136    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W  | R198    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W    |
| R137    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R199    | 1-208-764-11 | METAL CHIP  | 180 0.5% 1/10W  |
| R138    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R200    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R139    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R201    | 1-216-864-11 | SHORT       | 0               |
| R140    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R202    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R141    | 1-216-820-11 | RES-CHIP    | 820 5% 1/16W  | R203    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W    |
| R142    | 1-216-864-11 | SHORT       | 0             | R204    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W    |
| R144    | 1-216-822-11 | RES-CHIP    | 1.2K 5% 1/16W | R205    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W    |
| R145    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R206    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W    |
| R146    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R207    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W    |
| R147    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R208    | 1-216-819-11 | RES-CHIP    | 680 5% 1/16W    |
| R148    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R209    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R149    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R211    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W     |
| R150    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R212    | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W     |



| REF.NO. | PART NO.     | DESCRIPTION | REMARK        | REF.NO. | PART NO.     | DESCRIPTION | REMARK         |
|---------|--------------|-------------|---------------|---------|--------------|-------------|----------------|
| R213    | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W   | R272    | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W    |
| R214    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R273    | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W    |
| R216    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R274    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W   |
| R217    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | R280    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
| R218    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R281    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W   |
| R219    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | R282    | 1-216-843-11 | RES-CHIP    | 68K 5% 1/16W   |
| R220    | 1-216-864-11 | SHORT       | 0             | R283    | 1-216-829-11 | RES-CHIP    | 4.7K 5% 1/16W  |
| R221    | 1-216-816-11 | RES-CHIP    | 390 5% 1/16W  | R284    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W   |
| R222    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R285    | 1-216-843-11 | RES-CHIP    | 68K 5% 1/16W   |
| R223    | 1-216-864-11 | SHORT       | 0             | R286    | 1-216-829-11 | RES-CHIP    | 4.7K 5% 1/16W  |
| R224    | 1-216-816-11 | RES-CHIP    | 390 5% 1/16W  | R287    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W   |
| R225    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R288    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
| R226    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R289    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R227    | 1-216-808-11 | RES-CHIP    | 82 5% 1/16W   | R290    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R228    | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W   | R291    | 1-216-825-11 | RES-CHIP    | 2.2K 5% 1/16W  |
| R229    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R292    | 1-216-825-11 | RES-CHIP    | 2.2K 5% 1/16W  |
| R230    | 1-216-808-11 | RES-CHIP    | 82 5% 1/16W   | R295    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
| R232    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R296    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
| R233    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R297    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R234    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | R298    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R235    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R300    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R236    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | R301    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R237    | 1-216-864-11 | SHORT       | 0             | R302    | 1-216-864-11 | SHORT       | 0              |
| R238    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R303    | 1-216-864-11 | SHORT       | 0              |
| R239    | 1-216-816-11 | RES-CHIP    | 390 5% 1/16W  | R304    | 1-216-861-11 | RES-CHIP    | 2.2M 5% 1/16W  |
| R240    | 1-216-864-11 | SHORT       | 0             | R305    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R241    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R308    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R242    | 1-216-816-11 | RES-CHIP    | 390 5% 1/16W  | R309    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R243    | 1-216-864-11 | SHORT       | 0             | R310    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R244    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R312    | 1-216-864-11 | SHORT       | 0              |
| R245    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R314    | 1-216-864-11 | SHORT       | 0              |
| R247    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R315    | 1-216-864-11 | SHORT       | 0              |
| R248    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R316    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R250    | 1-216-864-11 | SHORT       | 0             | R317    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R251    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R320    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R252    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | R321    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R253    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R322    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R254    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R323    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W   |
| R255    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R325    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W   |
| R256    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R326    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R257    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | R327    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R258    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R329    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W   |
| R259    | 1-216-827-11 | RES-CHIP    | 3.3K 5% 1/16W | R330    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R260    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W  | R331    | 1-216-826-11 | RES-CHIP    | 2.7K 5% 1/16W  |
| R261    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R332    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
| R262    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R333    | 1-216-830-11 | RES-CHIP    | 5.6K 5% 1/16W  |
| R263    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R334    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W   |
| R264    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R335    | 1-208-806-11 | METAL CHIP  | 10K 0.5% 1/10W |
| R265    | 1-216-829-11 | RES-CHIP    | 4.7K 5% 1/16W | R336    | 1-216-851-11 | RES-CHIP    | 330K 5% 1/16W  |
| R266    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R337    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R267    | 1-216-838-11 | RES-CHIP    | 27K 5% 1/16W  | R338    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
| R268    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R339    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
| R269    | 1-216-841-11 | RES-CHIP    | 47K 5% 1/16W  | R340    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R270    | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W   | R341    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W   |
| R271    | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W   | R342    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W    |
|         |              |             |               | R343    | 1-216-827-11 | RES-CHIP    | 3.3K 5% 1/16W  |

The components identified by shading  
and mark  $\triangle$  are critical for safety.  
Replace only with part number specified.

# KP-41PX1/41PX1K/41PX1R

RM-892 RM-892 RM-862



| REF.NO. | PART NO.     | DESCRIPTION | REMARK        | REF.NO.                                           | PART NO.     | DESCRIPTION                   | REMARK        |
|---------|--------------|-------------|---------------|---------------------------------------------------|--------------|-------------------------------|---------------|
| R345    | 1-216-864-11 | SHORT       | 0             | R4029                                             | 1-216-833-11 | RES-CHIP                      | 10K 5% 1/16W  |
| R347    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R4030                                             | 1-216-833-11 | RES-CHIP                      | 10K 5% 1/16W  |
| R348    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R4032                                             | 1-216-833-11 | RES-CHIP                      | 10K 5% 1/16W  |
| R349    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R4047                                             | 1-216-833-11 | RES-CHIP                      | 10K 5% 1/16W  |
| R350    | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | R4052                                             | 1-216-864-11 | SHORT                         | 0             |
| R351    | 1-216-823-11 | RES-CHIP    | 1.5K 5% 1/16W | R4053                                             | 1-216-864-11 | SHORT                         | 0             |
| R352    | 1-216-835-11 | RES-CHIP    | 15K 5% 1/16W  | R4054                                             | 1-216-822-11 | RES-CHIP                      | 1.2K 5% 1/16W |
| R353    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R4055                                             | 1-216-822-11 | RES-CHIP                      | 1.2K 5% 1/16W |
| R354    | 1-216-864-11 | SHORT       | 0             | R4058                                             | 1-216-822-11 | RES-CHIP                      | 1.2K 5% 1/16W |
| R355    | 1-216-843-11 | RES-CHIP    | 68K 5% 1/16W  | R4059                                             | 1-216-822-11 | RES-CHIP                      | 1.2K 5% 1/16W |
| R356    | 1-216-863-11 | RES-CHIP    | 3.3M 5% 1/16W | R4065                                             | 1-216-864-11 | SHORT                         | 0             |
| R359    | 1-216-864-11 | SHORT       | 0             | R4066                                             | 1-216-864-11 | SHORT                         | 0             |
| R360    | 1-216-861-11 | RES-CHIP    | 2.2M 5% 1/16W | R4067                                             | 1-216-864-11 | SHORT                         | 0             |
| R361    | 1-216-861-11 | RES-CHIP    | 2.2M 5% 1/16W | R4073                                             | 1-216-837-11 | RES-CHIP                      | 22K 5% 1/16W  |
| R362    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R4075                                             | 1-216-817-11 | RES-CHIP                      | 470 5% 1/16W  |
| R364    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R4078                                             | 1-216-837-11 | RES-CHIP                      | 22K 5% 1/16W  |
| R366    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | R4084                                             | 1-216-833-11 | RES-CHIP                      | 10K 5% 1/16W  |
| R367    | 1-216-822-11 | RES-CHIP    | 1.2K 5% 1/16W | R4087                                             | 1-216-807-11 | RES-CHIP                      | 68 5% 1/16W   |
| R368    | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | R4088                                             | 1-216-827-11 | RES-CHIP                      | 3.3K 5% 1/16W |
| R370    | 1-216-864-11 | SHORT       | 0             | R4089                                             | 1-216-831-11 | RES-CHIP                      | 6.8K 5% 1/16W |
| R392    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | R4105                                             | 1-216-813-11 | RES-CHIP                      | 220 5% 1/16W  |
| R393    | 1-208-782-11 | METAL CHIP  | 1K 0.5% 1/10W | R4106                                             | 1-216-809-11 | RES-CHIP                      | 100 5% 1/16W  |
| R394    | 1-208-782-11 | METAL CHIP  | 1K 0.5% 1/10W | R4107                                             | 1-216-809-11 | RES-CHIP                      | 100 5% 1/16W  |
| R395    | 1-216-864-11 | SHORT       | 0             | R4108                                             | 1-216-813-11 | RES-CHIP                      | 220 5% 1/16W  |
| R401    | 1-216-813-11 | RES-CHIP    | 220 5% 1/16W  | R4111                                             | 1-216-821-11 | RES-CHIP                      | 1K 5% 1/16W   |
| R402    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | <TUNER>                                           |              |                               |               |
| R403    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | TU101 $\triangle$ 8-598-535-10 FRONTEND BTF-EF411 |              |                               |               |
| R404    | 1-216-838-11 | RES-CHIP    | 27K 5% 1/16W  | <CRYSTAL>                                         |              |                               |               |
| R405    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | X1                                                | 1-767-154-21 | VIBRATOR, CERAMIC (11.5MHz)   |               |
| R406    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | X201                                              | 1-781-148-21 | VIBRATOR, CRYSTAL (18.432MHz) |               |
| R407    | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  | X301                                              | 1-567-504-11 | OSCILLATOR, CRYSTAL (4.43MHz) |               |
| R408    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | X302                                              | 1-567-505-11 | OSCILLATOR, CRYSTAL (3.58MHz) |               |
| R409    | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   | X303                                              | 1-767-127-11 | VIBRATOR, CERAMIC (503.5kHz)  |               |
| R410    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | X1001                                             | 1-760-551-21 | VIBRATOR, CERAMIC (20.48MHz)  |               |
| R411    | 1-216-837-11 | RES-CHIP    | 22K 5% 1/16W  | *****                                             |              |                               |               |
| R1001   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | * A-1632-959-A AE BOARD, COMPLETE (41PX1R)        |              |                               |               |
| R1002   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | *****                                             |              |                               |               |
| R1010   | 1-216-864-11 | SHORT       | 0             | 1-750-797-12 SOCKET, PLCC                         |              |                               |               |
| R1012   | 1-216-817-11 | RES-CHIP    | 470 5% 1/16W  | <CAPACITOR>                                       |              |                               |               |
| R1014   | 1-216-829-11 | RES-CHIP    | 4.7K 5% 1/16W | C1                                                | 1-163-038-00 | CERAMIC CHIP                  | 0.1μF 25V     |
| R1017   | 1-216-864-11 | SHORT       | 0             | C2                                                | 1-126-947-11 | ELECT                         | 47μF 20% 16V  |
| R1020   | 1-216-845-11 | RES-CHIP    | 100K 5% 1/16W | C3                                                | 1-163-239-11 | CERAMIC CHIP                  | 33pF 5% 50V   |
| R1021   | 1-216-811-11 | RES-CHIP    | 150 5% 1/16W  | C4                                                | 1-163-239-11 | CERAMIC CHIP                  | 33pF 5% 50V   |
| R1022   | 1-216-811-11 | RES-CHIP    | 150 5% 1/16W  | C8                                                | 1-163-038-00 | CERAMIC CHIP                  | 0.1μF 25V     |
| R1023   | 1-216-811-11 | RES-CHIP    | 150 5% 1/16W  | C10                                               | 1-163-243-11 | CERAMIC CHIP                  | 47pF 5% 50V   |
| R1024   | 1-216-819-11 | RES-CHIP    | 680 5% 1/16W  | C11                                               | 1-163-243-11 | CERAMIC CHIP                  | 47pF 5% 50V   |
| R1026   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | C14                                               | 1-163-038-00 | CERAMIC CHIP                  | 0.1μF 25V     |
| R1027   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | C15                                               | 1-163-133-00 | CERAMIC CHIP                  | 470pF 5% 50V  |
| R1028   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  | C18                                               | 1-163-038-00 | CERAMIC CHIP                  | 0.1μF 25V     |
| R2436   | 1-216-821-11 | RES-CHIP    | 1K 5% 1/16W   |                                                   |              |                               |               |
| R2437   | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  |                                                   |              |                               |               |
| R2438   | 1-216-833-11 | RES-CHIP    | 10K 5% 1/16W  |                                                   |              |                               |               |
| R2914   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  |                                                   |              |                               |               |
| R2915   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  |                                                   |              |                               |               |
| R4003   | 1-218-285-11 | RES-CHIP    | 75 5% 1/16W   |                                                   |              |                               |               |
| R4011   | 1-216-809-11 | RES-CHIP    | 100 5% 1/16W  |                                                   |              |                               |               |



| REF.NO. | PART NO.     | DESCRIPTION  | REMARK           | REF.NO. | PART NO.     | DESCRIPTION  | REMARK         |
|---------|--------------|--------------|------------------|---------|--------------|--------------|----------------|
| C19     | 1-163-017-00 | CERAMIC CHIP | 0.0047μF 10% 50V | C205    | 1-126-965-91 | ELECT        | 22μF 20% 50V   |
| C20     | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C206    | 1-163-275-11 | CERAMIC CHIP | 1000pF 5% 50V  |
| C21     | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C207    | 1-126-964-11 | ELECT        | 10μF 20% 50V   |
| C22     | 1-163-251-11 | CERAMIC CHIP | 100pF 5% 50V     | C208    | 1-126-965-91 | ELECT        | 22μF 20% 50V   |
| C24     | 1-163-275-11 | CERAMIC CHIP | 1000pF 5% 50V    | C209    | 1-126-964-11 | ELECT        | 10μF 20% 50V   |
| C25     | 1-126-947-11 | ELECT        | 47μF 20% 16V     | C210    | 1-216-295-00 | SHORT        | 0              |
| C26     | 1-126-947-11 | ELECT        | 47μF 20% 16V     | C211    | 1-126-965-91 | ELECT        | 22μF 20% 50V   |
| C43     | 1-163-255-11 | CERAMIC CHIP | 150pF 5% 50V     | C212    | 1-164-346-11 | CERAMIC CHIP | 1μF 16V        |
| C45     | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V        | C213    | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V   |
| C90     | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V        | C214    | 1-164-346-11 | CERAMIC CHIP | 1μF 16V        |
| C101    | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V        | C215    | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V   |
| C102    | 1-126-934-11 | ELECT        | 220μF 20% 16V    | C216    | 1-126-947-11 | ELECT        | 47μF 20% 16V   |
| C103    | 1-126-965-91 | ELECT        | 22μF 20% 50V     | C217    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V |
| C104    | 1-163-251-11 | CERAMIC CHIP | 100pF 5% 50V     | C218    | 1-126-947-11 | ELECT        | 47μF 20% 16V   |
| C110    | 1-126-947-11 | ELECT        | 47μF 20% 16V     | C219    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V |
| C112    | 1-163-275-11 | CERAMIC CHIP | 1000pF 5% 50V    | C220    | 1-126-965-91 | ELECT        | 22μF 20% 50V   |
| C113    | 1-126-947-11 | ELECT        | 47μF 20% 16V     | C221    | 1-164-505-11 | CERAMIC CHIP | 2.2μF 16V      |
| C115    | 1-163-263-11 | CERAMIC CHIP | 330pF 5% 50V     | C222    | 1-164-346-11 | CERAMIC CHIP | 1μF 16V        |
| C120    | 1-163-251-11 | CERAMIC CHIP | 100pF 5% 50V     | C223    | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V   |
| C121    | 1-163-247-11 | CERAMIC CHIP | 68pF 5% 50V      | C224    | 1-164-346-11 | CERAMIC CHIP | 1μF 16V        |
| C122    | 1-163-137-00 | CERAMIC CHIP | 680pF 5% 50V     | C225    | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V   |
| C123    | 1-163-247-11 | CERAMIC CHIP | 68pF 5% 50V      | C226    | 1-126-947-11 | ELECT        | 47μF 20% 16V   |
| C124    | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V        | C227    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V |
| C125    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C228    | 1-126-947-11 | ELECT        | 47μF 20% 16V   |
| C126    | 1-126-933-11 | ELECT        | 100μF 20% 16V    | C229    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V |
| C127    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C230    | 1-216-295-00 | SHORT        | 0              |
| C128    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C242    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V |
| C129    | 1-163-089-00 | CERAMIC CHIP | 6pF 0.5pF 50V    | C243    | 1-126-967-11 | ELECT        | 47μF 20% 50V   |
| C130    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C244    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V |
| C131    | 1-126-947-11 | ELECT        | 47μF 20% 16V     | C245    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V |
| C132    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C251    | 1-163-087-00 | CERAMIC CHIP | 4pF 0.25pF 50V |
| C133    | 1-126-963-11 | ELECT        | 4.7μF 20% 50V    | C252    | 1-163-087-00 | CERAMIC CHIP | 4pF 0.25pF 50V |
| C134    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C253    | 1-163-251-11 | CERAMIC CHIP | 100pF 5% 50V   |
| C135    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C254    | 1-163-243-11 | CERAMIC CHIP | 47pF 5% 50V    |
| C136    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C255    | 1-163-251-11 | CERAMIC CHIP | 100pF 5% 50V   |
| C137    | 1-126-947-11 | ELECT        | 47μF 20% 16V     | C256    | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V      |
| C138    | 1-126-964-11 | ELECT        | 10μF 20% 50V     | C257    | 1-126-965-11 | ELECT        | 22μF 20% 50V   |
| C139    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C258    | 1-126-964-11 | ELECT        | 10μF 20% 50V   |
| C143    | 1-126-947-11 | ELECT        | 47μF 20% 16V     | C259    | 1-164-005-11 | CERAMIC CHIP | 0.47μF 25V     |
| C144    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C260    | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V      |
| C145    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C261    | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V   |
| C146    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C262    | 1-163-133-00 | CERAMIC CHIP | 470pF 5% 50V   |
| C147    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C263    | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V      |
| C148    | 1-126-933-11 | ELECT        | 100μF 20% 16V    | C264    | 1-126-962-11 | ELECT        | 3.3μF 20% 50V  |
| C149    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C265    | 1-126-964-11 | ELECT        | 10μF 20% 50V   |
| C150    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C266    | 1-126-964-11 | ELECT        | 10μF 20% 50V   |
| C151    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C267    | 1-126-965-91 | ELECT        | 22μF 20% 50V   |
| C152    | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V    | C268    | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V      |
| C153    | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V    | C269    | 1-163-131-00 | CERAMIC CHIP | 390pF 5% 50V   |
| C154    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C270    | 1-163-131-00 | CERAMIC CHIP | 390pF 5% 50V   |
| C155    | 1-164-232-11 | CERAMIC CHIP | 0.01μF 10% 50V   | C271    | 1-163-275-11 | CERAMIC CHIP | 1000pF 5% 50V  |
| C201    | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V    | C272    | 1-163-275-11 | CERAMIC CHIP | 1000pF 5% 50V  |
| C202    | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V    | C273    | 1-163-275-11 | CERAMIC CHIP | 1000pF 5% 50V  |
| C203    | 1-104-661-91 | ELECT        | 330μF 20% 16V    | C274    | 1-163-275-11 | CERAMIC CHIP | 1000pF 5% 50V  |
| C204    | 1-163-038-00 | CERAMIC CHIP | 0.1μF 25V        | C275    | 1-164-346-11 | CERAMIC CHIP | 1μF 16V        |
|         |              |              |                  | C276    | 1-164-346-11 | CERAMIC CHIP | 1μF 16V        |

| REF.NO. | PART NO.     | DESCRIPTION  |          |     |      | REMARK | REF.NO. | PART NO.      | DESCRIPTION               |        |     |     | REMARK |
|---------|--------------|--------------|----------|-----|------|--------|---------|---------------|---------------------------|--------|-----|-----|--------|
| C277    | 1-164-505-11 | CERAMIC CHIP | 2.2μF    |     | 16V  |        | C356    | 1-164-232-11  | CERAMIC CHIP              | 0.01μF | 10% | 50V |        |
| C278    | 1-164-505-11 | CERAMIC CHIP | 2.2μF    |     | 16V  |        | C357    | 1-163-133-00  | CERAMIC CHIP              | 470pF  | 5%  | 50V |        |
| C279    | 1-126-965-91 | ELECT        | 22μF     | 20% | 50V  |        | C358    | 1-164-005-11  | CERAMIC CHIP              | 0.47μF |     | 25V |        |
| C280    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        |         |               |                           |        |     |     |        |
| C281    | 1-126-965-91 | ELECT        | 22μF     | 20% | 50V  |        | C359    | 1-163-231-11  | CERAMIC CHIP              | 15pF   | 5%  | 50V |        |
| C282    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        | C360    | 1-163-231-11  | CERAMIC CHIP              | 15pF   | 5%  | 50V |        |
| C283    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        | C370    | 1-164-505-11  | CERAMIC CHIP              | 2.2μF  |     | 16V |        |
| C300    | 1-163-251-11 | CERAMIC CHIP | 100pF    | 5%  | 50V  |        | C371    | 1-163-275-11  | CERAMIC CHIP              | 1000pF | 5%  | 50V |        |
| C301    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        | C372    | 1-164-004-11  | CERAMIC CHIP              | 0.1μF  | 10% | 25V |        |
| C302    | 1-163-275-11 | CERAMIC CHIP | 1000pF   | 5%  | 50V  |        | C373    | 1-164-489-11  | CERAMIC CHIP              | 0.22μF | 10% | 16V |        |
| C303    | 1-163-275-11 | CERAMIC CHIP | 1000pF   | 5%  | 50V  |        | C376    | 1-163-251-11  | CERAMIC CHIP              | 100pF  | 5%  | 50V |        |
| C304    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        | C377    | 1-126-964-11  | ELECT                     | 10μF   | 20% | 50V |        |
| C305    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        | C380    | 1-163-038-00  | CERAMIC CHIP              | 0.1μF  |     | 25V |        |
| C306    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        | C1001   | 1-163-235-11  | CERAMIC CHIP              | 22pF   | 5%  | 50V |        |
| C307    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        | C1002   | 1-163-235-11  | CERAMIC CHIP              | 22pF   | 5%  | 50V |        |
| C308    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        | C1010   | 1-163-038-00  | CERAMIC CHIP              | 0.1μF  |     | 25V |        |
| C309    | 1-164-346-11 | CERAMIC CHIP | 1μF      |     | 16V  |        | C1013   | 1-126-965-91  | ELECT                     | 22μF   | 20% | 50V |        |
| C310    | 1-164-346-11 | CERAMIC CHIP | 1μF      |     | 16V  |        | C1014   | 1-163-038-00  | CERAMIC CHIP              | 0.1μF  |     | 25V |        |
| C311    | 1-164-346-11 | CERAMIC CHIP | 1μF      |     | 16V  |        | C1015   | 1-164-489-11  | CERAMIC CHIP              | 0.22μF | 10% | 16V |        |
| C312    | 1-164-505-11 | CERAMIC CHIP | 2.2μF    |     | 16V  |        | C1020   | 1-163-235-11  | CERAMIC CHIP              | 22pF   | 5%  | 50V |        |
| C313    | 1-163-275-11 | CERAMIC CHIP | 1000pF   | 5%  | 50V  |        |         |               |                           |        |     |     |        |
| C315    | 1-216-295-00 | SHORT        | 0        |     |      |        |         | <FILTER>      |                           |        |     |     |        |
| C316    | 1-163-239-11 | CERAMIC CHIP | 33pF     | 5%  | 50V  |        |         |               |                           |        |     |     |        |
| C317    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        | CF120   | 1-781-328-21  | TRAP, CERAMIC (6.5MHZ)    |        |     |     |        |
| C320    | 1-126-965-91 | ELECT        | 22μF     | 20% | 50V  |        |         |               |                           |        |     |     |        |
| C321    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        |         | <CONNECTOR>   |                           |        |     |     |        |
| C322    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        |         |               |                           |        |     |     |        |
| C323    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        | CN1     | 1-695-302-11  | CONNECTOR, BOARD TO BOARD | 50P    |     |     |        |
| C324    | 1-163-038-00 | CERAMIC CHIP | 0.1μF    |     | 25V  |        | CN2     | *1-564-508-11 | PLUG, CONNECTOR           | 5P     |     |     |        |
| C325    | 1-164-346-11 | CERAMIC CHIP | 1μF      |     | 16V  |        | CN6     | *1-564-516-11 | PLUG, CONNECTOR           | 13P    |     |     |        |
| C326    | 1-163-275-11 | CERAMIC CHIP | 1000pF   | 5%  | 50V  |        | CN101   | 1-695-915-11  | TAB (CONTACT)             |        |     |     |        |
| C327    | 1-137-374-11 | FILM         | 0.047μF  | 5%  | 50V  |        | CN201   | 1-766-296-31  | CONNECTOR, DUAL SCART     |        |     |     |        |
| C328    | 1-126-964-11 | ELECT        | 10μF     | 20% | 50V  |        | CN301   | *1-564-510-11 | PLUG, CONNECTOR           | 7P     |     |     |        |
| C330    | 1-130-777-00 | FILM         | 0.1μF    | 5%  | 63V  |        |         |               |                           |        |     |     |        |
| C331    | 1-137-581-11 | FILM         | 0.1μF    | 5%  | 100V |        |         | <DIODE>       |                           |        |     |     |        |
| C332    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        | D2      | 8-719-988-61  | DIODE 1SS355TE-17         |        |     |     |        |
| C333    | 1-126-933-11 | ELECT        | 100μF    | 20% | 16V  |        | D10     | 8-719-069-55  | DIODE UDZSTE-175.6B       |        |     |     |        |
| C334    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        | D11     | 8-719-069-55  | DIODE UDZSTE-175.6B       |        |     |     |        |
| C335    | 1-164-005-11 | CERAMIC CHIP | 0.47μF   |     | 25V  |        | D12     | 8-719-069-55  | DIODE UDZSTE-175.6B       |        |     |     |        |
| C336    | 1-163-009-11 | CERAMIC CHIP | 0.001μF  | 10% | 50V  |        | D16     | 8-719-988-61  | DIODE 1SS355TE-17         |        |     |     |        |
| C337    | 1-163-009-11 | CERAMIC CHIP | 0.001μF  | 10% | 50V  |        |         |               |                           |        |     |     |        |
| C338    | 1-126-962-11 | ELECT        | 3.3μF    | 20% | 50V  |        | D101    | 8-719-977-81  | DIODE DTZ33B              |        |     |     |        |
| C339    | 1-164-232-11 | CERAMIC CHIP | 0.01μF   | 10% | 50V  |        | D102    | 8-719-988-61  | DIODE 1SS355TE-17         |        |     |     |        |
| C340    | 1-126-933-11 | ELECT        | 100μF    | 20% | 16V  |        | D201    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C341    | 1-164-005-11 | CERAMIC CHIP | 0.47μF   |     | 25V  |        | D202    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C342    | 1-164-346-11 | CERAMIC CHIP | 1μF      |     | 16V  |        | D203    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C343    | 1-163-017-00 | CERAMIC CHIP | 0.0047μF | 10% | 50V  |        | D204    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C344    | 1-163-251-11 | CERAMIC CHIP | 100pF    | 5%  | 50V  |        | D205    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C347    | 1-126-963-11 | ELECT        | 4.7μF    | 20% | 50V  |        | D206    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C348    | 1-163-133-00 | CERAMIC CHIP | 470pF    | 5%  | 50V  |        | D207    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C350    | 1-126-964-11 | ELECT        | 10μF     | 20% | 50V  |        | D208    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C351    | 1-164-505-11 | CERAMIC CHIP | 2.2μF    |     | 16V  |        | D209    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C352    | 1-164-005-11 | CERAMIC CHIP | 0.47μF   |     | 25V  |        | D210    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C353    | 1-164-505-11 | CERAMIC CHIP | 2.2μF    |     | 16V  |        | D211    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C354    | 1-164-005-11 | CERAMIC CHIP | 0.47μF   |     | 25V  |        | D212    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |
| C355    | 1-126-965-91 | ELECT        | 22μF     | 20% | 50V  |        | D213    | 8-719-069-60  | DIODE UDZSTE-179.1B       |        |     |     |        |



| REF.NO. | PART NO.     | DESCRIPTION            | REMARK | REF.NO. | PART NO.     | DESCRIPTION                 | REMARK |
|---------|--------------|------------------------|--------|---------|--------------|-----------------------------|--------|
| D214    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        |         |              |                             |        |
| D215    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        |         |              |                             |        |
| D216    | 8-719-069-55 | DIODE UDZSTE-175.6B    |        |         |              | <CHIP, CONDUCTOR>           |        |
| D217    | 8-719-069-55 | DIODE UDZSTE-175.6B    |        | JR1     | 1-216-295-00 | SHORT                       | 0      |
| D218    | 8-719-069-55 | DIODE UDZSTE-175.6B    |        | JR2     | 1-216-296-00 | SHORT                       | 0      |
|         |              |                        |        | JR3     | 1-216-296-00 | SHORT                       | 0      |
| D220    | 8-719-988-61 | DIODE 1SS355TE-17      |        | JR4     | 1-216-295-00 | SHORT                       | 0      |
| D221    | 8-719-988-61 | DIODE 1SS355TE-17      |        | JR201   | 1-216-295-00 | SHORT                       | 0      |
| D222    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        |         |              |                             |        |
| D223    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        | JR203   | 1-216-295-00 | SHORT                       | 0      |
| D224    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        | JR208   | 1-216-295-00 | SHORT                       | 0      |
|         |              |                        |        | JR209   | 1-216-295-00 | SHORT                       | 0      |
| D225    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        | JR211   | 1-216-295-00 | SHORT                       | 0      |
| D226    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        | JR212   | 1-216-295-00 | SHORT                       | 0      |
| D227    | 8-719-978-33 | DIODE DTZ-TT11-6.8B    |        |         |              |                             |        |
| D228    | 8-719-978-33 | DIODE DTZ-TT11-6.8B    |        | JR303   | 1-216-296-00 | SHORT                       | 0      |
| D231    | 8-719-069-55 | DIODE UDZSTE-175.6B    |        | JR304   | 1-216-296-00 | SHORT                       | 0      |
|         |              |                        |        | JR305   | 1-216-296-00 | SHORT                       | 0      |
| D251    | 8-719-047-16 | DIODE BAS216           |        | JR360   | 1-216-295-00 | SHORT                       | 0      |
| D303    | 8-719-988-61 | DIODE 1SS355TE-17      |        | JR362   | 1-216-295-00 | SHORT                       | 0      |
| D304    | 8-719-988-61 | DIODE 1SS355TE-17      |        |         |              |                             |        |
| D320    | 8-719-069-60 | DIODE UDZSTE-179.1B    |        | JR1010  | 1-216-295-00 | SHORT                       | 0      |
| D370    | 8-719-047-16 | DIODE BAS216           |        |         |              |                             |        |
| D1010   | 8-719-036-58 | DIODE MA3030-H(TX)     |        |         |              | <COIL>                      |        |
|         |              | <FERRITE BEAD>         |        | L10     | 1-410-379-31 | INDUCTOR CHIP               | 6.8μH  |
|         |              |                        |        | L102    | 1-408-600-31 | INDUCTOR                    | 5.6μH  |
| FB101   | 1-414-235-11 | INDUCTOR CHIP 0μH      |        | L111    | 1-216-295-00 | SHORT                       | 0      |
| FB102   | 1-414-235-11 | INDUCTOR CHIP 0μH      |        | L120    | 1-408-602-31 | INDUCTOR                    | 8.2μH  |
| FB103   | 1-414-235-11 | INDUCTOR CHIP 0μH      |        | L121    | 1-408-591-11 | INDUCTOR                    | 1μH    |
| FB104   | 1-414-235-11 | INDUCTOR CHIP 0μH      |        |         |              |                             |        |
|         |              | <FILTER>               |        | L122    | 1-408-602-31 | INDUCTOR                    | 8.2μH  |
|         |              |                        |        | L300    | 1-412-006-31 | INDUCTOR CHIP               | 10μH   |
|         |              |                        |        | L301    | 1-410-993-11 | INDUCTOR CHIP               | 1μH    |
| FL101   | 1-236-071-11 | ENCAPSULATED COMPONENT |        |         |              | <TRANSISTOR>                |        |
| FL102   | 1-233-765-21 | FILTER                 |        | Q1      | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
| FL103   | 1-233-765-21 | FILTER                 |        | Q4      | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
| FL104   | 1-233-765-21 | FILTER                 |        | Q15     | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| FL201   | 1-236-071-11 | ENCAPSULATED COMPONENT |        | Q17     | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
|         |              |                        |        | Q18     | 8-729-027-38 | TRANSISTOR DTA144EKA-T146   |        |
| FL202   | 1-236-071-11 | ENCAPSULATED COMPONENT |        |         |              |                             |        |
| FL203   | 1-236-071-11 | ENCAPSULATED COMPONENT |        | Q20     | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
| FL1001  | 1-236-071-11 | ENCAPSULATED COMPONENT |        | Q21     | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
|         |              | <IC>                   |        | Q22     | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
| IC1     | 8-759-376-77 | IC SDA30C263-GEG       |        | Q23     | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC2     | 8-759-524-94 | IC M24C32-MW6T         |        | Q24     | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC3     | 8-759-690-63 | IC M27C2001-12C1-RR403 |        |         |              |                             |        |
| IC4     | 8-759-394-57 | IC PST593C-MMP-4P      |        | Q25     | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC102   | 8-759-711-62 | IC NJM2240M            |        | Q101    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
|         |              |                        |        | Q102    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC103   | 8-752-379-35 | IC CXD2044Q-TL         |        | Q103    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC201   | 8-752-081-26 | IC CXA2040AQ-T4        |        | Q104    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
| IC202   | 8-759-654-15 | IC MSP3410D-C5-PS-B4   |        |         |              |                             |        |
| IC204   | 8-759-008-67 | IC MC14066BF           |        | Q105    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
| IC205   | 8-759-394-57 | IC PST593C-MMP-4P      |        | Q106    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
|         |              |                        |        | Q107    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC206   | 8-752-058-68 | IC CXA1315M            |        | Q108    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC301   | 8-752-081-43 | IC CXA2076Q-TL         |        | Q109    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
| IC302   | 8-759-565-20 | IC TDA4665T/V5-118     |        |         |              |                             |        |
| IC303   | 8-759-430-79 | IC TDA8395T/N3         |        | Q110    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |
| IC1001  | 8-759-584-20 | IC SDA5273-3CP         |        | Q111    | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |        |
|         |              |                        |        | Q112    | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |        |





| REF.NO. | PART NO.     | DESCRIPTION | REMARK          | REF.NO. | PART NO.     | DESCRIPTION | REMARK          |
|---------|--------------|-------------|-----------------|---------|--------------|-------------|-----------------|
| R117    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W   | R179    | 1-208-788-11 | METAL CHIP  | 1.8K 0.5% 1/10W |
| R118    | 1-216-071-00 | RES,CHIP    | 8.2K 5% 1/10W   | R180    | 1-208-790-11 | METAL CHIP  | 2.2K 0.5% 1/10W |
| R119    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    | R181    | 1-208-798-11 | METAL CHIP  | 4.7K 0.5% 1/10W |
| R120    | 1-216-069-00 | RES,CHIP    | 6.8K 5% 1/10W   | R182    | 1-216-635-11 | METAL CHIP  | 220 0.5% 1/10W  |
| R121    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    | R183    | 1-216-635-11 | METAL CHIP  | 220 0.5% 1/10W  |
| R122    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    | R184    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W   |
| R123    | 1-216-031-00 | RES,CHIP    | 180 5% 1/10W    | R185    | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R124    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     | R186    | 1-216-067-00 | RES,CHIP    | 5.6K 5% 1/10W   |
| R125    | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W    | R187    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R126    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R188    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W   |
| R127    | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W    | R189    | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R128    | 1-216-035-00 | RES,CHIP    | 270 5% 1/10W    | R190    | 1-216-067-00 | RES,CHIP    | 5.6K 5% 1/10W   |
| R129    | 1-216-037-00 | RES,CHIP    | 330 5% 1/10W    | R191    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W   |
| R130    | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W   | R192    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R131    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    | R193    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R132    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R194    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R133    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    | R195    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R134    | 1-216-001-00 | RES,CHIP    | 10 5% 1/10W     | R196    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R135    | 1-216-045-00 | RES,CHIP    | 680 5% 1/10W    | R197    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R136    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    | R198    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R137    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     | R199    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R138    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    | R200    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R142    | 1-216-295-00 | SHORT       | 0               | R201    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R143    | 1-216-295-00 | SHORT       | 0               | R202    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R145    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R203    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R146    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R204    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R147    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R205    | 1-216-689-11 | RES,CHIP    | 39K 5% 1/10W    |
| R148    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R206    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R149    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R207    | 1-216-089-00 | RES,CHIP    | 47K 5% 1/10W    |
| R150    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R208    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    |
| R151    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R209    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     |
| R153    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R210    | 1-216-017-00 | RES,CHIP    | 47 5% 1/10W     |
| R154    | 1-216-295-00 | SHORT       | 0               | R211    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R156    | 1-216-089-00 | RES,CHIP    | 47K 5% 1/10W    | R212    | 1-216-022-00 | RES,CHIP    | 75 5% 1/10W     |
| R157    | 1-216-089-00 | RES,CHIP    | 47K 5% 1/10W    | R213    | 1-216-022-00 | RES,CHIP    | 75 5% 1/10W     |
| R158    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    | R214    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R159    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     | R216    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R160    | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W   | R217    | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R161    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    | R218    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R162    | 1-216-109-00 | RES,CHIP    | 330K 5% 1/10W   | R219    | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R163    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    | R220    | 1-216-295-00 | SHORT       | 0               |
| R164    | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W    | R221    | 1-216-039-00 | RES,CHIP    | 390 5% 1/10W    |
| R165    | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W    | R222    | 1-216-089-00 | RES,CHIP    | 47K 5% 1/10W    |
| R166    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    | R223    | 1-216-295-00 | SHORT       | 0               |
| R167    | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    | R224    | 1-216-039-00 | RES,CHIP    | 390 5% 1/10W    |
| R168    | 1-216-067-00 | RES,CHIP    | 5.6K 5% 1/10W   | R225    | 1-216-089-00 | RES,CHIP    | 47K 5% 1/10W    |
| R169    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     | R226    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R170    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R227    | 1-216-022-00 | RES,CHIP    | 75 5% 1/10W     |
| R171    | 1-216-097-00 | RES,CHIP    | 100K 5% 1/10W   | R228    | 1-216-022-00 | RES,CHIP    | 75 5% 1/10W     |
| R172    | 1-216-065-00 | RES,CHIP    | 4.7K 5% 1/10W   | R229    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R173    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    | R230    | 1-216-022-00 | RES,CHIP    | 75 5% 1/10W     |
| R174    | 1-208-797-11 | METAL CHIP  | 4.3K 0.5% 1/10W | R232    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R175    | 1-208-784-11 | METAL CHIP  | 1.2K 0.5% 1/10W | R233    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R176    | 1-216-295-00 | SHORT       | 0               | R234    | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R177    | 1-216-049-00 | RES,CHIP    | 1K 5% 1/10W     | R235    | 1-216-025-00 | RES,CHIP    | 100 5% 1/10W    |
| R178    | 1-216-295-00 | SHORT       | 0               |         |              |             |                 |



| REF.NO. | PART NO.     | DESCRIPTION |      |    | REMARK | REF.NO. | PART NO.     | DESCRIPTION |      |      | REMARK |
|---------|--------------|-------------|------|----|--------|---------|--------------|-------------|------|------|--------|
| R236    | 1-216-113-00 | RES,CHIP    | 470K | 5% | 1/10W  | R310    | 1-216-033-00 | RES,CHIP    | 220  | 5%   | 1/10W  |
| R237    | 1-216-295-00 | SHORT       | 0    |    |        | R315    | 1-216-295-00 | SHORT       | 0    |      |        |
| R238    | 1-216-089-00 | RES,CHIP    | 47K  | 5% | 1/10W  | R316    | 1-216-033-00 | RES,CHIP    | 220  | 5%   | 1/10W  |
| R239    | 1-216-039-00 | RES,CHIP    | 390  | 5% | 1/10W  | R320    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R240    | 1-216-295-00 | SHORT       | 0    |    |        |         |              |             |      |      |        |
| R241    | 1-216-089-00 | RES,CHIP    | 47K  | 5% | 1/10W  | R321    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R242    | 1-216-039-00 | RES,CHIP    | 390  | 5% | 1/10W  | R322    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R243    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R323    | 1-216-033-00 | RES,CHIP    | 220  | 5%   | 1/10W  |
| R244    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R325    | 1-216-089-91 | RES,CHIP    | 47K  | 5%   | 1/10W  |
| R248    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R326    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R249    | 1-216-001-00 | RES,CHIP    | 10   | 5% | 1/10W  | R327    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R250    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R329    | 1-216-089-00 | RES,CHIP    | 47K  | 5%   | 1/10W  |
| R251    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R330    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R252    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R331    | 1-216-059-00 | RES,CHIP    | 2.7K | 5%   | 1/10W  |
| R253    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R332    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R254    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R333    | 1-216-067-00 | RES,CHIP    | 5.6K | 5%   | 1/10W  |
| R255    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R334    | 1-216-041-00 | RES,CHIP    | 470  | 5%   | 1/10W  |
| R256    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R335    | 1-208-806-11 | METAL CHIP  | 10K  | 0.5% | 1/10W  |
| R257    | 1-216-073-00 | RES,CHIP    | 10K  | 5% | 1/10W  | R336    | 1-216-109-00 | RES,CHIP    | 330K | 5%   | 1/10W  |
| R258    | 1-216-017-00 | RES,CHIP    | 47   | 5% | 1/10W  | R337    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R259    | 1-216-041-00 | RES,CHIP    | 470  | 5% | 1/10W  | R338    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R264    | 1-216-089-91 | RES,CHIP    | 47K  | 5% | 1/10W  | R339    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R265    | 1-216-065-00 | RES,CHIP    | 4.7K | 5% | 1/10W  | R340    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R266    | 1-216-081-00 | RES,CHIP    | 22K  | 5% | 1/10W  | R341    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R267    | 1-216-065-00 | RES,CHIP    | 4.7K | 5% | 1/10W  | R342    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R268    | 1-216-089-91 | RES,CHIP    | 47K  | 5% | 1/10W  | R343    | 1-216-061-91 | RES,CHIP    | 3.3K | 5%   | 1/10W  |
| R269    | 1-216-089-91 | RES,CHIP    | 47K  | 5% | 1/10W  | R344    | 1-216-067-00 | RES,CHIP    | 5.6K | 5%   | 1/10W  |
| R270    | 1-216-022-00 | RES,CHIP    | 75   | 5% | 1/10W  | R345    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R271    | 1-216-022-00 | RES,CHIP    | 75   | 5% | 1/10W  | R347    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R272    | 1-216-022-00 | RES,CHIP    | 75   | 5% | 1/10W  | R348    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R273    | 1-216-022-00 | RES,CHIP    | 75   | 5% | 1/10W  | R349    | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R274    | 1-216-089-91 | RES,CHIP    | 47K  | 5% | 1/10W  | R350    | 1-216-041-00 | RES,CHIP    | 470  | 5%   | 1/10W  |
| R280    | 1-216-049-00 | RES,CHIP    | 1K   | 5% | 1/10W  | R351    | 1-216-053-00 | RES,CHIP    | 1.5K | 5%   | 1/10W  |
| R281    | 1-216-089-00 | RES,CHIP    | 47K  | 5% | 1/10W  | R352    | 1-216-077-91 | RES,CHIP    | 15K  | 5%   | 1/10W  |
| R282    | 1-216-093-91 | RES,CHIP    | 68K  | 5% | 1/10W  | R353    | 1-216-033-00 | RES,CHIP    | 220  | 5%   | 1/10W  |
| R283    | 1-216-065-00 | RES,CHIP    | 4.7K | 5% | 1/10W  | R354    | 1-216-295-00 | SHORT       | 0    |      |        |
| R284    | 1-216-089-00 | RES,CHIP    | 47K  | 5% | 1/10W  | R355    | 1-216-093-91 | RES,CHIP    | 68K  | 5%   | 1/10W  |
| R285    | 1-216-093-91 | RES,CHIP    | 68K  | 5% | 1/10W  | R356    | 1-216-133-91 | RES,CHIP    | 3.3M | 5%   | 1/10W  |
| R286    | 1-216-065-00 | RES,CHIP    | 4.7K | 5% | 1/10W  | R357    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R291    | 1-216-057-00 | RES,CHIP    | 2.2K | 5% | 1/10W  | R358    | 1-216-105-00 | RES,CHIP    | 220K | 5%   | 1/10W  |
| R292    | 1-216-057-00 | RES,CHIP    | 2.2K | 5% | 1/10W  | R359    | 1-216-295-00 | SHORT       | 0    |      |        |
| R293    | 1-216-089-00 | RES,CHIP    | 47K  | 5% | 1/10W  | R360    | 1-216-129-00 | RES,CHIP    | 2.2M | 5%   | 1/10W  |
| R294    | 1-216-097-00 | RES,CHIP    | 100K | 5% | 1/10W  | R361    | 1-216-129-00 | RES,CHIP    | 2.2M | 5%   | 1/10W  |
| R295    | 1-216-049-00 | RES,CHIP    | 1K   | 5% | 1/10W  | R370    | 1-216-295-00 | SHORT       | 0    |      |        |
| R296    | 1-216-049-00 | RES,CHIP    | 1K   | 5% | 1/10W  | R371    | 1-216-033-00 | RES,CHIP    | 220  | 5%   | 1/10W  |
| R297    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R373    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R298    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R374    | 1-216-041-00 | RES,CHIP    | 470  | 5%   | 1/10W  |
| R299    | 1-216-073-00 | RES,CHIP    | 10K  | 5% | 1/10W  | R375    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R300    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R376    | 1-216-081-00 | RES,CHIP    | 22K  | 5%   | 1/10W  |
| R301    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R377    | 1-216-049-00 | RES,CHIP    | 1K   | 5%   | 1/10W  |
| R302    | 1-216-295-00 | SHORT       | 0    |    |        | R378    | 1-208-811-11 | METAL CHIP  | 16K  | 0.5% | 1/10W  |
| R303    | 1-216-295-00 | SHORT       | 0    |    |        | R379    | 1-216-041-00 | RES,CHIP    | 470  | 5%   | 1/10W  |
| R304    | 1-216-129-00 | RES,CHIP    | 2.2M | 5% | 1/10W  | R1001   | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R305    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R1002   | 1-216-025-00 | RES,CHIP    | 100  | 5%   | 1/10W  |
| R308    | 1-216-025-00 | RES,CHIP    | 100  | 5% | 1/10W  | R1010   | 1-216-295-00 | SHORT       | 0    |      |        |
| R309    | 1-216-033-00 | RES,CHIP    | 220  | 5% | 1/10W  | R1012   | 1-216-041-00 | RES,CHIP    | 470  | 5%   | 1/10W  |
|         |              |             |      |    |        | R1014   | 1-216-065-00 | RES,CHIP    | 4.7K | 5%   | 1/10W  |

The components identified by shading  
and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

# KP-41PX1/41PX1K/41PX1R

RM-892 RM-892 RM-862



| REF.NO.                                   | PART NO.     | DESCRIPTION                   | REMARK            | REF.NO.        | PART NO.     | DESCRIPTION                   | REMARK          |
|-------------------------------------------|--------------|-------------------------------|-------------------|----------------|--------------|-------------------------------|-----------------|
| R1017                                     | 1-216-295-00 | SHORT                         | 0                 | C6029          | 1-164-625-11 | CERAMIC                       | 680pF 10% 500V  |
| R1020                                     | 1-216-097-00 | RES,CHIP                      | 100K 5% 1/10W     | C6030          | 1-104-665-11 | ELECT                         | 100μF 20% 25V   |
| R1021                                     | 1-216-029-00 | RES,CHIP                      | 150 5% 1/10W      | C6031          | 1-115-405-11 | FILM                          | 0.039μF 3% 1KV  |
| R1022                                     | 1-216-029-00 | RES,CHIP                      | 150 5% 1/10W      | C6033          | 1-101-810-00 | CERAMIC                       | 100pF 5% 500V   |
| R1023                                     | 1-216-029-00 | RES,CHIP                      | 150 5% 1/10W      | C6034          | 1-101-810-00 | CERAMIC                       | 100pF 5% 500V   |
| R1024                                     | 1-216-045-00 | RES,CHIP                      | 680 5% 1/10W      | C6035          | 1-102-114-00 | CERAMIC                       | 470pF 10% 50V   |
| R1026                                     | 1-216-025-00 | RES,CHIP                      | 100 5% 1/10W      | C6036          | 1-102-114-00 | CERAMIC                       | 470pF 10% 50V   |
| R1027                                     | 1-216-025-00 | RES,CHIP                      | 100 5% 1/10W      | C6037          | 1-126-960-11 | ELECT                         | 1μF 20% 50V     |
| R1028                                     | 1-216-025-00 | RES,CHIP                      | 100 5% 1/10W      | C6038          | 1-126-768-11 | ELECT                         | 2200μF 20% 16V  |
| <TUNER>                                   |              |                               |                   | C6039          | 1-102-114-00 | CERAMIC                       | 470pF 10% 50V   |
| TU101 $\Delta$ 1-693-340-14 TUNER/VIF     |              |                               |                   | C6040          | 1-102-114-00 | CERAMIC                       | 470pF 10% 50V   |
| <CRYSTAL>                                 |              |                               |                   | C6041          | 1-126-972-11 | ELECT                         | 1000μF 20% 50V  |
| X1                                        | 1-767-154-21 | VIBRATOR, CERAMIC (11.5MHz)   |                   | C6042          | 1-126-972-11 | ELECT                         | 1000μF 20% 50V  |
| X201                                      | 1-760-628-11 | VIBRATOR, CRYSTAL (18.432MHz) |                   | C6043          | 1-104-665-11 | ELECT                         | 100μF 20% 25V   |
| X301                                      | 1-567-504-11 | OSCILLATOR, CRYSTAL (4.43MHz) |                   | C6044          | 1-107-641-11 | ELECT                         | 220μF 20% 160V  |
| X302                                      | 1-567-505-11 | OSCILLATOR, CRYSTAL (3.58MHz) |                   | C6045          | 1-109-954-11 | ELECT                         | 0.47μF 20% 160V |
| X303                                      | 1-767-127-11 | VIBRATOR, CERAMIC (500kHz)    |                   | C6046          | 1-102-114-00 | CERAMIC                       | 470pF 10% 50V   |
| X1001                                     | 1-579-965-21 | VIBRATOR, CRYSTAL (20.48MHz)  |                   | C6047          | 1-102-114-00 | CERAMIC                       | 470pF 10% 50V   |
| *****                                     |              |                               |                   | C6048          | 1-126-943-11 | ELECT                         | 2200μF 20% 25V  |
| * A-1637-023-AG BOARD, COMPLETE           |              |                               |                   | C6049          | 1-128-548-11 | ELECT                         | 4700μF 20% 25V  |
| *****                                     |              |                               |                   | C6050          | 1-126-935-11 | ELECT                         | 470μF 20% 6.3V  |
| * 4-374-846-01 COVER, CAPACITOR, CAP TYPE |              |                               |                   | C6051          | 1-126-943-11 | ELECT                         | 2200μF 20% 25V  |
| 4-382-854-11 SCREW (M3X10), P, SW (+)     |              |                               |                   | C6052          | 1-104-665-11 | ELECT                         | 100μF 20% 25V   |
| <CAPACITOR>                               |              |                               |                   | C6053          | 1-104-665-11 | ELECT                         | 100μF 20% 25V   |
| C6001 $\Delta$                            | 1-104-706-51 | MYLAR                         | 0.22μF 20% 250V   | C6054          | 1-104-665-11 | ELECT                         | 100μF 20% 25V   |
| C6002                                     | 1-117-703-11 | CERAMIC                       | 0.0047μF 99% 250V | C6055          | 1-107-641-11 | ELECT                         | 220μF 20% 160V  |
| C6003 $\Delta$                            | 1-161-830-91 | CERAMIC                       | 0.0047μF 500V     | C6056          | 1-115-339-11 | CERAMIC CHIP                  | 0.1μF 10% 50V   |
| C6004 $\Delta$                            | 1-104-706-11 | MYLAR                         | 0.22μF 20% 250V   | <CONNECTOR>    |              |                               |                 |
| C6005 $\Delta$                            | 1-161-830-00 | CERAMIC                       | 0.0047μF 500V     | CN6001         | 1-695-915-11 | TAB (CONTACT)                 |                 |
| C6006 $\Delta$                            | 1-119-893-51 | CERAMIC                       | 1000pF 20% 250V   | CN6002         | 1-695-915-11 | TAB (CONTACT)                 |                 |
| C6007                                     | 1-107-678-11 | ELECT                         | 4.7μF 20% 450V    | CN6003         | 1-695-915-11 | TAB (CONTACT)                 |                 |
| C6008 $\Delta$                            | 1-161-830-91 | CERAMIC                       | 0.0047μF 500V     | CN6005         | 1-580-843-11 | PIN, CONNECTOR (POWER)        |                 |
| C6009 $\Delta$                            | 1-161-830-91 | CERAMIC                       | 0.0047μF 500V     | CN6006 *       | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P  |                 |
| C6010 $\Delta$                            | 1-119-893-51 | CERAMIC                       | 1000pF 20% 250V   | CN6007*        | 1-691-291-11 | PIN, CONNECTOR (PC BOARD) 5P  |                 |
| C6014                                     | 1-117-753-11 | ELECT(BLOCK)                  | 470μF 20% 450V    | CN6008*        | 1-564-509-11 | PLUG, CONNECTOR 6P            |                 |
| C6015                                     | 1-104-664-11 | ELECT                         | 47μF 20% 25V      | CN6009*        | 1-573-986-11 | PIN, CONNECTOR (PC BOARD) 5P  |                 |
| C6016                                     | 1-163-009-91 | CERAMIC CHIP                  | 0.001μF 10% 50V   | CN6010*        | 1-508-766-00 | PIN, CONNECTOR (5MM PITCH) 4P |                 |
| C6017                                     | 1-163-009-91 | CERAMIC CHIP                  | 0.001μF 10% 50V   | CN6011*        | 1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P |                 |
| C6018                                     | 1-136-479-11 | FILM                          | 0.001μF 2% 50V    | <DIODE>        |              |                               |                 |
| C6019                                     | 1-164-004-11 | CERAMIC CHIP                  | 0.1μF 10% 25V     | D6001 $\Delta$ | 8-719-068-00 | DIODE ERC04-06SE              |                 |
| C6020                                     | 1-126-963-11 | ELECT                         | 4.7μF 20% 50V     | D6002 $\Delta$ | 8-719-068-00 | DIODE ERC04-06SE              |                 |
| C6021                                     | 1-126-964-11 | ELECT                         | 10μF 20% 50V      | D6003 $\Delta$ | 8-719-068-00 | DIODE ERC04-06SE              |                 |
| C6023                                     | 1-104-665-11 | ELECT                         | 100μF 20% 25V     | D6004          | 8-719-988-61 | DIODE 1SS355TE-17             |                 |
| C6024                                     | 1-126-967-11 | ELECT                         | 47μF 20% 50V      | D6005          | 8-719-073-23 | DIODE ST02D-200TA             |                 |
| C6025                                     | 1-136-165-00 | FILM                          | 0.1μF 5% 50V      | D6007 $\Delta$ | 8-719-510-63 | DIODE D4SB60L-F               |                 |
| C6026                                     | 1-126-964-11 | ELECT                         | 10μF 20% 50V      | D6008          | 8-719-110-14 | DIODE RD9.1ES-B3              |                 |
| C6027                                     | 1-164-625-11 | CERAMIC                       | 680pF 10% 500V    | D6009          | 8-719-991-33 | DIODE 1SS133T-77              |                 |
|                                           |              |                               |                   | D6010          | 8-719-063-74 | DIODE D1NL20U-TR2             |                 |
|                                           |              |                               |                   | D6011          | 8-719-979-64 | DIODE UF4005PKG23             |                 |
|                                           |              |                               |                   | D6012          | 8-719-063-74 | DIODE D1NL20U-TR2             |                 |
|                                           |              |                               |                   | D6013          | 8-719-018-83 | DIODE D2S4M                   |                 |
|                                           |              |                               |                   | D6014          | 8-719-018-83 | DIODE D2S4M                   |                 |
|                                           |              |                               |                   | D6015          | 8-719-991-33 | DIODE 1SS133T-77              |                 |

The components identified by shading  
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Replace only with part number specified.

# KP-41PX1/41PX1K/41PX1R

RM-892

RM-892

RM-862



| REF.NO. | PART NO.              | DESCRIPTION                     | REMARK | REF.NO. | PART NO.              | DESCRIPTION                 | REMARK |
|---------|-----------------------|---------------------------------|--------|---------|-----------------------|-----------------------------|--------|
| D6016   | 8-719-052-91          | DIODE D4SBS4-F                  |        | Q6002   | 8-729-056-60          | TRANSISTOR SPA07N60C2       |        |
| D6017   | 8-719-312-47          | DIODE RBA-406B                  |        | Q6003   | 8-729-140-97          | TRANSISTOR 2SB734-34        |        |
| D6018   | 8-719-031-78          | DIODE S2L40F                    |        | Q6004   | 8-729-922-37          | TRANSISTOR 2SD2144S-UVW     |        |
| D6019   | 8-719-031-78          | DIODE S2L40F                    |        | Q6005   | 8-729-120-28          | TRANSISTOR 2SC1623-L5L6     |        |
| D6020   | 8-719-991-33          | DIODE 1SS133T-77                |        | Q6006   | 8-729-026-49          | TRANSISTOR 2SA1037AK-T146-R |        |
| D6021   | 8-719-057-96          | DIODE D10SC6M-4012              |        | Q6007   | 8-729-820-82          | TRANSISTOR 2SA1208          |        |
| D6022   | 8-719-921-88          | DIODE MTZJ-13B                  |        | Q6008   | 8-729-120-28          | TRANSISTOR 2SC1623-L5L6     |        |
|         |                       |                                 |        | Q6009   | 8-729-120-28          | TRANSISTOR 2SC1623-L5L6     |        |
|         |                       | <FUSE>                          |        |         |                       | <RESISTOR>                  |        |
| F6001   | $\Delta$ 1-576-232-21 | FUSE (H.B.C.) (5A/250V)         |        | R6001   | $\Delta$ 1-202-885-91 | SOLID 1M 20% 1/2W           |        |
|         |                       |                                 |        | R6002   | $\Delta$ 1-212-849-61 | FUSIBLE 4.7 5% 1/4W         |        |
|         |                       | <FERRITE BEAD>                  |        | R6003   | 1-215-858-00          | METAL OXIDE 15 5% 1W        |        |
| FB6001  | $\Delta$ 1-410-397-31 | FERRITE 1.1 $\mu$ H             |        | R6005   | 1-216-089-91          | RES-CHIP 47K 5% 1/10W       |        |
| FB6002  | 1-410-397-21          | FERRITE 1.1 $\mu$ H             |        | R6006   | $\Delta$ 1-219-720-91 | METAL 10M 5% 1W             |        |
| FB6003  | $\Delta$ 1-410-397-31 | FERRITE 1.1 $\mu$ H             |        |         |                       |                             |        |
|         |                       | <FUSE>                          |        | R6007   | 1-216-089-91          | RES-CHIP 47K 5% 1/10W       |        |
| FH6001  | *1-533-725-11         | HOLDER, FUSE                    |        | R6009   | 1-247-791-91          | CARBON 22 5% 1/4W           |        |
|         |                       | <IC>                            |        | R6010   | $\Delta$ 1-220-778-11 | FUSIBLE 0.1 10% 1/2W        |        |
| IC6001  | $\Delta$ 8-759-468-89 | IC TOP209P                      |        | R6011   | 1-215-444-00          | METAL 9.1K 1% 1/4W          |        |
| IC6002  | 8-759-670-30          | IC MCZ3001D                     |        | R6012   | 1-208-758-11          | METAL CHIP 100 0.5% 1/10W   |        |
| IC6003  | $\Delta$ 8-749-924-35 | PHOTO COUPLER ON3171-R          |        |         |                       |                             |        |
| IC6004  | $\Delta$ 8-749-924-35 | PHOTO COUPLER ON3171-R          |        | R6013   | 1-208-808-11          | METAL CHIP 12K 0.5% 1/10W   |        |
| IC6005  | 8-749-920-61          | IC SE135N                       |        | R6014   | 1-249-413-11          | CARBON 470 5% 1/4W          |        |
|         |                       | <CHIP CONDUCTOR>                |        | R6015   | 1-249-377-11          | CARBON 0.47 5% 1/4W         |        |
| JR6001  | 1-216-864-11          | SHORT 0                         |        | R6016   | 1-215-395-00          | METAL 82 1% 1/4W            |        |
| JR6002  | 1-216-864-11          | SHORT 0                         |        | R6017   | 1-215-481-00          | METAL 330K 1% 1/4W          |        |
|         |                       | <COIL>                          |        |         |                       |                             |        |
| L6003   | 1-412-525-31          | INDUCTOR 10 $\mu$ H             |        | R6018   | 1-215-481-00          | METAL 330K 1% 1/4W          |        |
| L6004   | 1-412-525-31          | INDUCTOR 10 $\mu$ H             |        | R6019   | 1-216-001-00          | RES-CHIP 10 5% 1/10W        |        |
| L6005   | 1-412-525-31          | INDUCTOR 10 $\mu$ H             |        | R6020   | 1-216-001-00          | RES-CHIP 10 5% 1/10W        |        |
| L6006   | 1-412-523-41          | INDUCTOR 6.8 $\mu$ H            |        | R6021   | 1-215-481-00          | METAL 330K 1% 1/4W          |        |
| L6007   | 1-412-523-41          | INDUCTOR 6.8 $\mu$ H            |        | R6022   | 1-249-417-11          | CARBON 1K 5% 1/4W           |        |
| L6008   | 1-412-525-31          | INDUCTOR 10 $\mu$ H             |        |         |                       |                             |        |
| L6009   | 1-412-525-31          | INDUCTOR 10 $\mu$ H             |        | R6023   | 1-216-073-91          | RES-CHIP 10K 5% 1/10W       |        |
| L6010   | 1-412-525-31          | INDUCTOR 10 $\mu$ H             |        | R6024   | 1-216-073-91          | RES-CHIP 10K 5% 1/10W       |        |
| L6011   | 1-412-533-21          | INDUCTOR 47 $\mu$ H             |        | R6025   | 1-217-625-00          | METAL 0.05 10% 2W           |        |
|         |                       | <IC LINK>                       |        | R6026   | 1-216-065-91          | RES-CHIP 4.7K 5% 1/10W      |        |
| PS6001  | $\Delta$ 1-533-595-31 | LINK, IC (3.15A/90V AC, 60V DC) |        | R6027   | 1-216-073-91          | RES-CHIP 10K 5% 1/10W       |        |
| PS6002  | $\Delta$ 1-533-595-31 | LINK, IC (3.15A/90V AC, 60V DC) |        |         |                       |                             |        |
| PS6003  | $\Delta$ 1-533-597-31 | LINK, IC (5A/90V AC, 60V DC)    |        | R6028   | 1-249-417-11          | CARBON 1K 5% 1/4W           |        |
|         |                       | <TRANSISTOR>                    |        | R6029   | 1-249-377-11          | CARBON 0.47 5% 1/4W         |        |
| Q6001   | 8-729-056-60          | TRANSISTOR SPA07N60C2           |        | R6030   | 1-249-377-11          | CARBON 0.47 5% 1/4W         |        |
|         |                       |                                 |        | R6031   | 1-249-377-11          | CARBON 0.47 5% 1/4W         |        |
|         |                       |                                 |        | R6032   | 1-249-377-11          | CARBON 0.47 5% 1/4W         |        |
|         |                       |                                 |        |         |                       |                             |        |
|         |                       |                                 |        | R6033   | 1-216-065-91          | RES-CHIP 4.7K 5% 1/10W      |        |
|         |                       |                                 |        | R6034   | 1-249-377-11          | CARBON 0.47 5% 1/4W         |        |
|         |                       |                                 |        | R6035   | 1-249-377-11          | CARBON 0.47 5% 1/4W         |        |
|         |                       |                                 |        | R6036   | 1-249-417-11          | CARBON 1K 5% 1/4W           |        |
|         |                       |                                 |        | R6037   | 1-216-065-91          | RES-CHIP 4.7K 5% 1/10W      |        |
|         |                       |                                 |        |         |                       |                             |        |
|         |                       |                                 |        | R6038   | 1-216-073-91          | RES-CHIP 10K 5% 1/10W       |        |
|         |                       |                                 |        | R6039   | 1-216-073-91          | RES-CHIP 10K 5% 1/10W       |        |
|         |                       |                                 |        | R6040   | 1-216-041-00          | RES-CHIP 470 5% 1/10W       |        |
|         |                       |                                 |        | R6041   | 1-216-073-91          | RES-CHIP 10K 5% 1/10W       |        |
|         |                       |                                 |        | R6042   | 1-216-049-11          | RES-CHIP 1K 5% 1/10W        |        |
|         |                       |                                 |        |         |                       |                             |        |
|         |                       |                                 |        | R6046   | 1-216-065-91          | RES-CHIP 4.7K 5% 1/10W      |        |
|         |                       |                                 |        | R6047   | 1-249-413-11          | CARBON 470 5% 1/4W          |        |
|         |                       |                                 |        | R6048   | 1-215-477-00          | METAL 220K 1% 1/4W          |        |
|         |                       |                                 |        | R6049   | 1-249-417-11          | CARBON 1K 5% 1/4W           |        |
|         |                       |                                 |        | R6050   | 1-249-441-11          | CARBON 100K 5% 1/4W         |        |



| REF.NO.                                           | PART NO.       | DESCRIPTION                   | REMARK   |     |      | REF.NO.                               | PART NO.     | DESCRIPTION               | REMARK   |     |      |
|---------------------------------------------------|----------------|-------------------------------|----------|-----|------|---------------------------------------|--------------|---------------------------|----------|-----|------|
| R6051                                             | 1-216-366-00   | METAL OXIDE                   | 0.56     | 5%  | 2W   | D762                                  | 8-719-991-33 | DIODE 1SS133T-77          |          |     |      |
| R6052                                             | 1-215-477-00   | METAL                         | 220K     | 1%  | 1/4W | D763                                  | 8-719-991-33 | DIODE 1SS133T-77          |          |     |      |
| R6053                                             | 1-249-417-11   | CARBON                        | 1K       | 5%  | 1/4W | D765                                  | 8-719-991-33 | DIODE 1SS133T-77          |          |     |      |
| R6054                                             | 1-215-453-00   | METAL                         | 22K      | 1%  | 1/4W | D766                                  | 8-719-991-33 | DIODE 1SS133T-77          |          |     |      |
| R6055                                             | 1-215-476-00   | METAL                         | 200K     | 1%  | 1/4W |                                       |              |                           |          |     |      |
|                                                   |                |                               |          |     |      |                                       |              |                           |          |     |      |
| R6056                                             | 1-216-353-00   | METAL OXIDE                   | 2.2      | 5%  | 1W   | <COIL>                                |              |                           |          |     |      |
| <RELAY>                                           |                |                               |          |     |      | L761                                  | 1-408-623-31 | INDUCTOR                  | 470μH    |     |      |
| RY6001△1-755-352-11 RELAY, AC POWER               |                |                               |          |     |      | L762                                  | 1-408-617-31 | INDUCTOR                  | 150μH    |     |      |
| <TRANSFORMER>                                     |                |                               |          |     |      | <TRANSISTOR>                          |              |                           |          |     |      |
| T6001 △ 1-433-488-11 TRANSFORMER, LINE FILTER     |                |                               |          |     |      | Q761                                  | 8-729-200-17 | TRANSISTOR 2SA1091-O      |          |     |      |
| T6002 △ 1-431-732-21 TRANSFORMER, CONVERTER (SRT) |                |                               |          |     |      | Q762                                  | 8-729-045-56 | TRANSISTOR 2SC2611-15     |          |     |      |
| T6003 △ 1-429-807-12 TRANSFORMER, CONVERTER (PIT) |                |                               |          |     |      | Q763                                  | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA |          |     |      |
| T6004 △ 1-424-861-11 COIL, CHOKE 42μH             |                |                               |          |     |      | Q764                                  | 8-729-119-76 | TRANSISTOR 2SA1175-HFE    |          |     |      |
|                                                   |                |                               |          |     |      | Q765                                  | 8-729-119-76 | TRANSISTOR 2SA1175-HFE    |          |     |      |
| <THERMISTOR>                                      |                |                               |          |     |      | <RESISTOR>                            |              |                           |          |     |      |
| TH6001                                            | 1-803-586-41   | THERMISTOR                    |          |     |      | R761                                  | 1-219-743-11 | CARBON                    | 100      | 5%  | 1/2W |
| <VARISTOR>                                        |                |                               |          |     |      | R762                                  | 1-260-132-11 | CARBON                    | 560K     | 5%  | 1/2W |
| VD6001△1-803-830-31 VARISTOR (ERZV14D621)         |                |                               |          |     |      | R763                                  | 1-216-487-11 | METAL OXIDE               | 12K      | 5%  | 3W   |
| *****                                             |                |                               |          |     |      | R764                                  | 1-216-487-11 | METAL OXIDE               | 12K      | 5%  | 3W   |
| * A-1638-150-ACB BOARD, COMPLETE                  |                |                               |          |     |      | R765                                  | 1-247-807-31 | CARBON                    | 100      | 5%  | 1/4W |
| *****                                             |                |                               |          |     |      | R766                                  | 1-260-328-11 | CARBON                    | 1K       | 5%  | 1/2W |
| 4-051-602-11 SHEET, RADIATION                     |                |                               |          |     |      | R767                                  | 1-249-425-11 | CARBON                    | 4.7K     | 5%  | 1/4W |
| 4-382-854-11 SCREW (M3X10), P, SW (+)             |                |                               |          |     |      | R768                                  | 1-260-133-11 | CARBON                    | 680K     | 5%  | 1/2W |
| <CAPACITOR>                                       |                |                               |          |     |      | R769                                  | 1-202-818-00 | SOLID                     | 1K       | 20% | 1/2W |
| C762                                              | 1-126-964-11   | ELECT                         | 10μF     | 20% | 50V  | R770                                  | 1-249-406-11 | CARBON                    | 120      | 5%  | 1/4W |
| C763                                              | 1-161-754-00   | CERAMIC                       | 0.001μF  | 10% | 2KV  | R771                                  | 1-219-743-11 | CARBON                    | 100      | 5%  | 1/2W |
| C764                                              | 1-102-117-00   | CERAMIC                       | 820pF    | 10% | 50V  | R772                                  | 1-247-791-91 | CARBON                    | 22       | 5%  | 1/4W |
| C765                                              | 1-161-830-00   | CERAMIC                       | 0.0047μF |     | 500V | R773                                  | 1-247-807-31 | CARBON                    | 100      | 5%  | 1/4W |
| C766                                              | 1-162-115-00   | CERAMIC                       | 330pF    | 10% | 2KV  | R776                                  | 1-249-437-11 | CARBON                    | 47K      | 5%  | 1/4W |
|                                                   |                |                               |          |     |      | R777                                  | 1-215-436-00 | METAL                     | 4.3K     | 1%  | 1/4W |
| C767                                              | 1-107-662-11   | ELECT                         | 22μF     | 20% | 250V | R778                                  | 1-202-814-11 | SOLID                     | 33K      | 20% | 1/2W |
| C768                                              | 1-101-880-00   | CERAMIC                       | 47pF     | 5%  | 50V  | R779                                  | 1-249-409-11 | CARBON                    | 220      | 5%  | 1/4W |
| C769                                              | 1-104-664-11   | ELECT                         | 47μF     | 20% | 25V  | R781                                  | 1-249-438-11 | CARBON                    | 56K      | 5%  | 1/4W |
| C772                                              | 1-104-660-91   | ELECT                         | 47μF     | 20% | 16V  | R782                                  | 1-249-433-11 | CARBON                    | 22K      | 5%  | 1/4W |
| <CONNECTOR>                                       |                |                               |          |     |      | <SPARK GAP>                           |              |                           |          |     |      |
| CN761                                             | 1-695-915-11   | TAB (CONTACT)                 |          |     |      | SG761                                 | 1-519-422-11 | GAP, SPARK                |          |     |      |
| CN762                                             | * 1-564-508-11 | PLUG, CONNECTOR 5P            |          |     |      | SG762                                 | 1-519-422-11 | GAP, SPARK                |          |     |      |
| CN763                                             | * 1-508-784-00 | PIN, CONNECTOR (5MM PITCH) 1P |          |     |      | SG763                                 | 1-519-422-11 | GAP, SPARK                |          |     |      |
| CN764                                             | △ 1-251-182-41 | SOCKET, PICTURE TUBE          |          |     |      | *****                                 |              |                           |          |     |      |
| CN765                                             | * 1-564-512-11 | PLUG, CONNECTOR 9P            |          |     |      | * A-1638-151-ACG BOARD, COMPLETE      |              |                           |          |     |      |
|                                                   |                |                               |          |     |      | *****                                 |              |                           |          |     |      |
| CN766                                             | * 1-764-333-11 | PLUG, CONNECTOR 10P           |          |     |      | 4-051-602-11 SHEET, RADIATION         |              |                           |          |     |      |
| <DIODE>                                           |                |                               |          |     |      | 4-382-854-11 SCREW (M3X10), P, SW (+) |              |                           |          |     |      |
| D761                                              | 8-719-991-33   | DIODE 1SS133T-77              |          |     |      | <CAPACITOR>                           |              |                           |          |     |      |
|                                                   |                |                               |          |     |      | C733                                  | 1-161-754-00 | CERAMIC                   | 0.001μF  | 10% | 2KV  |
|                                                   |                |                               |          |     |      | C734                                  | 1-102-114-00 | CERAMIC                   | 470pF    | 10% | 50V  |
|                                                   |                |                               |          |     |      | C735                                  | 1-161-830-00 | CERAMIC                   | 0.0047μF |     | 500V |
|                                                   |                |                               |          |     |      | C736                                  | 1-162-115-00 | CERAMIC                   | 330pF    | 10% | 2KV  |

The components identified by shading  
and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

# KP-41PX1/41PX1K/41PX1R

RM-892 RM-892 RM-862



| REF.NO.      | PART NO.                                     | DESCRIPTION | REMARK |     |      | REF.NO.                                                                | PART NO.                                     | DESCRIPTION | REMARK  |     |      |
|--------------|----------------------------------------------|-------------|--------|-----|------|------------------------------------------------------------------------|----------------------------------------------|-------------|---------|-----|------|
| C737         | 1-107-662-11                                 | ELECT       | 22μF   | 20% | 250V | * A-1638-152-ACR BOARD, COMPLETE<br>*****                              |                                              |             |         |     |      |
| C738         | 1-101-880-00                                 | CERAMIC     | 47pF   | 5%  | 50V  |                                                                        |                                              |             |         |     |      |
| C739         | 1-104-664-11                                 | ELECT       | 47μF   | 20% | 25V  | 4-051-602-11 SHEET, RADIATION<br>4-382-854-11 SCREW (M3X10), P, SW (+) |                                              |             |         |     |      |
| <CONNECTOR>  |                                              |             |        |     |      | <CAPACITOR>                                                            |                                              |             |         |     |      |
| CN731        | 1-695-915-11 TAB (CONTACT)                   |             |        |     |      | C702                                                                   | 1-102-112-00                                 | CERAMIC     | 330pF   | 10% | 50V  |
| CN732        | * 1-564-508-11 PLUG, CONNECTOR 5P            |             |        |     |      | C703                                                                   | 1-104-664-11                                 | ELECT       | 47μF    | 20% | 25V  |
| CN733        | * 1-564-511-11 PLUG, CONNECTOR 8P            |             |        |     |      | C705                                                                   | 1-161-754-00                                 | CERAMIC     | 0.001μF | 10% | 2KV  |
| CN734        | * 1-508-784-00 PIN, CONNECTOR (5MM PITCH) 1P |             |        |     |      | C708                                                                   | 1-101-880-00                                 | CERAMIC     | 47pF    | 5%  | 50V  |
| CN735        | Δ 1-251-182-41 SOCKET, PICTURE TUBE          |             |        |     |      | C709                                                                   | 1-162-115-00                                 | CERAMIC     | 330pF   | 10% | 2KV  |
| CN736        | * 1-564-512-11 PLUG, CONNECTOR 9P            |             |        |     |      | C712                                                                   | 1-107-662-11                                 | ELECT       | 22μF    | 20% | 250V |
| CN737        | * 1-564-512-11 PLUG, CONNECTOR 9P            |             |        |     |      | C713                                                                   | 1-104-660-91                                 | ELECT       | 47μF    | 20% | 16V  |
| <DIODE>      |                                              |             |        |     |      | <CONNECTOR>                                                            |                                              |             |         |     |      |
| D731         | 8-719-991-33 DIODE 1SS133T-77                |             |        |     |      | CN701                                                                  | 1-695-915-11 TAB (CONTACT)                   |             |         |     |      |
| D732         | 8-719-991-33 DIODE 1SS133T-77                |             |        |     |      | CN702                                                                  | * 1-564-511-11 PLUG, CONNECTOR 8P            |             |         |     |      |
| D733         | 8-719-991-33 DIODE 1SS133T-77                |             |        |     |      | CN703                                                                  | * 1-564-510-11 PLUG, CONNECTOR 7P            |             |         |     |      |
| D735         | 8-719-991-33 DIODE 1SS133T-77                |             |        |     |      | CN704                                                                  | * 1-508-784-00 PIN, CONNECTOR (5MM PITCH) 1P |             |         |     |      |
| D736         | 8-719-991-33 DIODE 1SS133T-77                |             |        |     |      | CN705                                                                  | Δ 1-251-182-41 SOCKET, PICTURE TUBE          |             |         |     |      |
| <COIL>       |                                              |             |        |     |      | CN706                                                                  | * 1-564-512-11 PLUG, CONNECTOR 9P            |             |         |     |      |
| L731         | 1-408-623-31                                 | INDUCTOR    | 470μH  |     |      | <DIODE>                                                                |                                              |             |         |     |      |
| L732         | 1-408-617-31                                 | INDUCTOR    | 150μH  |     |      | D701                                                                   | 8-719-991-33 DIODE 1SS133T-77                |             |         |     |      |
| <TRANSISTOR> |                                              |             |        |     |      | D704                                                                   | 8-719-991-33 DIODE 1SS133T-77                |             |         |     |      |
| Q731         | 8-729-200-17 TRANSISTOR 2SA1091-O            |             |        |     |      | D705                                                                   | 8-719-991-33 DIODE 1SS133T-77                |             |         |     |      |
| Q732         | 8-729-045-56 TRANSISTOR 2SC2611-15           |             |        |     |      | D706                                                                   | 8-719-991-33 DIODE 1SS133T-77                |             |         |     |      |
| Q733         | 8-729-423-33 TRANSISTOR 2SC3311A-QRSTA       |             |        |     |      | D708                                                                   | 8-719-991-33 DIODE 1SS133T-77                |             |         |     |      |
| Q734         | 8-729-119-76 TRANSISTOR 2SA1175-HFE          |             |        |     |      | D709                                                                   | 8-719-109-84 DIODE RD5.1ESB1                 |             |         |     |      |
| <RESISTOR>   |                                              |             |        |     |      | <COIL>                                                                 |                                              |             |         |     |      |
| R731         | 1-219-743-11                                 | CARBON      | 100    | 5%  | 1/2W | L701                                                                   | 1-410-682-31                                 | INDUCTOR    | 470μH   |     |      |
| R732         | 1-260-132-11                                 | CARBON      | 560K   | 5%  | 1/2W | L702                                                                   | 1-408-617-31                                 | INDUCTOR    | 150μH   |     |      |
| R733         | 1-216-487-11                                 | METAL OXIDE | 12K    | 5%  | 3W   | <TRANSISTOR>                                                           |                                              |             |         |     |      |
| R734         | 1-216-487-11                                 | METAL OXIDE | 12K    | 5%  | 3W   | Q701                                                                   | 8-729-200-17 TRANSISTOR 2SA1091-O            |             |         |     |      |
| R735         | 1-247-807-31                                 | CARBON      | 100    | 5%  | 1/4W | Q703                                                                   | 8-729-045-56 TRANSISTOR 2SC2611-15           |             |         |     |      |
| R736         | 1-249-425-11                                 | CARBON      | 4.7K   | 5%  | 1/4W | Q704                                                                   | 8-729-423-33 TRANSISTOR 2SC3311A-QRSTA       |             |         |     |      |
| R737         | 1-260-328-11                                 | CARBON      | 1K     | 5%  | 1/2W | Q705                                                                   | 8-729-119-76 TRANSISTOR 2SA1175-HFE          |             |         |     |      |
| R738         | 1-249-406-11                                 | CARBON      | 120    | 5%  | 1/4W | Q706                                                                   | 8-729-119-76 TRANSISTOR 2SA1175-HFE          |             |         |     |      |
| R739         | 1-260-133-11                                 | CARBON      | 680K   | 5%  | 1/2W | <RESISTOR>                                                             |                                              |             |         |     |      |
| R740         | 1-202-818-00                                 | SOLID       | 1K     | 20% | 1/2W | R701                                                                   | 1-219-743-11                                 | CARBON      | 100     | 5%  | 1/2W |
| R741         | 1-247-791-91                                 | CARBON      | 22     | 5%  | 1/4W | R704                                                                   | 1-260-132-11                                 | CARBON      | 560K    | 5%  | 1/2W |
| R742         | 1-249-409-11                                 | CARBON      | 220    | 5%  | 1/4W | R706                                                                   | 1-249-425-11                                 | CARBON      | 4.7K    | 5%  | 1/4W |
| R744         | 1-247-891-00                                 | CARBON      | 330K   | 5%  | 1/4W | R707                                                                   | 1-247-807-31                                 | CARBON      | 100     | 5%  | 1/4W |
| R746         | 1-202-814-11                                 | SOLID       | 33K    | 20% | 1/2W | R708                                                                   | 1-249-408-11                                 | CARBON      | 180     | 5%  | 1/4W |
| <SPARK GAP>  |                                              |             |        |     |      | R709                                                                   | 1-260-328-11                                 | CARBON      | 1K      | 5%  | 1/2W |
| SG731        | 1-519-422-11 GAP, SPARK                      |             |        |     |      | R710                                                                   | 1-247-791-91                                 | CARBON      | 22      | 5%  | 1/4W |
| SG732        | 1-519-422-11 GAP, SPARK                      |             |        |     |      |                                                                        |                                              |             |         |     |      |
| SG733        | 1-519-422-11 GAP, SPARK                      |             |        |     |      |                                                                        |                                              |             |         |     |      |
| *****        |                                              |             |        |     |      |                                                                        |                                              |             |         |     |      |



| REF.NO.                                        | PART NO.     | DESCRIPTION              | REMARK   | REF.NO. | PART NO.     | DESCRIPTION               | REMARK |
|------------------------------------------------|--------------|--------------------------|----------|---------|--------------|---------------------------|--------|
| R711                                           | 1-216-487-11 | METAL OXIDE 12K          | 5% 3W    | C1602   | 1-163-009-11 | CERAMIC CHIP 0.001μF 10%  | 50V    |
| R712                                           | 1-216-487-11 | METAL OXIDE 12K          | 5% 3W    | C1603   | 1-130-495-00 | MYLAR 0.1μF 5%            | 50V    |
| R714                                           | 1-202-818-00 | SOLID 1K                 | 20% 1/2W | C1604   | 1-130-495-00 | MYLAR 0.1μF 5%            | 50V    |
| R715                                           | 1-260-133-11 | CARBON 680K              | 5% 1/2W  | C1605   | 1-107-715-11 | ELECT 22μF 20%            | 50V    |
| R716                                           | 1-249-409-11 | CARBON 220               | 5% 1/4W  | C1606   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
| R717                                           | 1-249-435-11 | CARBON 33K               | 5% 1/4W  | C1607   | 1-137-150-11 | MYLAR 0.01μF 5%           | 50V    |
| R718                                           | 1-249-437-11 | CARBON 47K               | 5% 1/4W  | C1608   | 1-163-017-00 | CERAMIC CHIP 0.0047μF 10% | 50V    |
| R719                                           | 1-219-743-11 | CARBON 100               | 5% 1/2W  |         |              | (41PX1/41PX1K)            |        |
| R721                                           | 1-202-814-11 | SOLID 33K                | 20% 1/2W | C1609   | 1-163-017-00 | CERAMIC CHIP 0.0047μF 10% | 50V    |
| R722                                           | 1-249-433-11 | CARBON 22K               | 5% 1/4W  |         |              | (41PX1/41PX1K)            |        |
| R723                                           | 1-249-437-11 | CARBON 47K               | 5% 1/4W  | C1610   | 1-126-960-11 | ELECT 1μF 20%             | 50V    |
| <SPARK GAP>                                    |              |                          |          | C1611   | 1-126-960-11 | ELECT 1μF 20%             | 50V    |
| SG701                                          | 1-519-422-11 | GAP, SPARK               |          | C1612   | 1-126-960-11 | ELECT 1μF 20%             | 50V    |
| SG702                                          | 1-519-422-11 | GAP, SPARK               |          | C1613   | 1-126-967-11 | ELECT 47μF 20%            | 50V    |
| SG703                                          | 1-519-422-11 | GAP, SPARK               |          | C1614   | 1-126-967-11 | ELECT 47μF 20%            | 50V    |
| *****                                          |              |                          |          | C1617   | 1-130-495-00 | MYLAR 0.1μF 5%            | 50V    |
| * A-1346-678-AD BOARD, COMPLETE (41PX1R)       |              |                          |          | C1618   | 1-130-495-00 | MYLAR 0.1μF 5%            | 50V    |
| * A-1642-284-AD BOARD, COMPLETE (41PX1/41PX1K) |              |                          |          | C1619   | 1-164-004-11 | CERAMIC CHIP 0.1μF 10%    | 25V    |
| *****                                          |              |                          |          | C1621   | 1-104-665-11 | ELECT 100μF 20%           | 25V    |
| 4-201-023-01 SPACER, INSULATING                |              |                          |          | C1622   | 1-164-690-91 | CERAMIC CHIP 0.0022μF 5%  | 50V    |
| 4-202-373-01 SPRING, IC                        |              |                          |          | C1624   | 1-130-495-00 | MYLAR 0.1μF 5%            | 50V    |
| 4-382-854-11 SCREW (M3X10), P, SW (+)          |              |                          |          | C1626   | 1-130-495-00 | MYLAR 0.1μF 5%            | 50V    |
| <CAPACITOR>                                    |              |                          |          | C1627   | 1-164-690-91 | CERAMIC CHIP 0.0022μF 5%  | 50V    |
| C1501                                          | 1-163-005-91 | CERAMIC CHIP 470pF       | 10% 50V  | C1628   | 1-126-964-11 | ELECT 10μF 20%            | 50V    |
| C1503                                          | 1-137-399-11 | MYLAR 0.1μF 5%           | 100V     | C1630   | 1-128-550-21 | ELECT 2200μF 20%          | 50V    |
| C1504                                          | 1-164-690-91 | CERAMIC CHIP 0.0022μF 5% | 50V      | C1631   | 1-128-550-21 | ELECT 2200μF 20%          | 50V    |
| C1506                                          | 1-126-969-11 | ELECT 220μF 20%          | 50V      | C1632   | 1-104-664-11 | ELECT 47μF 20%            | 25V    |
| C1507                                          | 1-163-243-11 | CERAMIC CHIP 47pF 5%     | 50V      | C1633   | 1-104-664-11 | ELECT 47μF 20%            | 25V    |
| C1508                                          | 1-137-401-11 | MYLAR 0.22μF 10%         | 100V     | C1634   | 1-126-961-11 | ELECT 2.2μF 20%           | 50V    |
| C1509                                          | 1-163-251-11 | CERAMIC CHIP 100pF 5%    | 50V      | C1635   | 1-104-666-11 | ELECT 220μF 20%           | 25V    |
| C1510                                          | 1-126-972-11 | ELECT 1000μF 20%         | 50V      | C1650   | 1-163-251-11 | CERAMIC CHIP 100pF 5%     | 50V    |
| C1511                                          | 1-126-972-11 | ELECT 1000μF 20%         | 50V      | C1651   | 1-163-251-11 | CERAMIC CHIP 100pF 5%     | 50V    |
| C1512                                          | 1-126-960-11 | ELECT 1μF 20%            | 50V      | C1661   | 1-136-165-00 | FILM 0.1μF 5%             | 50V    |
| C1513                                          | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%  | 50V      |         |              | (41PX1/41PX1K)            |        |
| C1514                                          | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%  | 50V      | C1701   | 1-126-960-11 | ELECT 1μF 20%             | 50V    |
| C1516                                          | 1-164-004-11 | CERAMIC CHIP 0.1μF 10%   | 25V      | C1702   | 1-126-960-11 | ELECT 1μF 20%             | 50V    |
| C1517                                          | 1-126-964-11 | ELECT 10μF 20%           | 50V      | C1703   | 1-126-964-11 | ELECT 10μF 20%            | 50V    |
| C1518                                          | 1-126-933-11 | ELECT 100μF 20%          | 16V      | C1704   | 1-126-964-11 | ELECT 10μF 20%            | 50V    |
| C1519                                          | 1-126-933-11 | ELECT 100μF 20%          | 16V      | C1705   | 1-163-251-11 | CERAMIC CHIP 100pF 5%     | 50V    |
| C1520                                          | 1-126-964-11 | ELECT 10μF 20%           | 50V      | C1706   | 1-163-251-11 | CERAMIC CHIP 100pF 5%     | 50V    |
| C1521                                          | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%  | 50V      | C1707   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
| C1523                                          | 1-163-243-11 | CERAMIC CHIP 47pF 5%     | 50V      | C1708   | 1-126-935-11 | ELECT 470μF 20%           | 16V    |
| C1524                                          | 1-136-177-00 | FILM 1μF 5%              | 50V      | C1709   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
| C1525                                          | 1-104-665-11 | ELECT 100μF 20%          | 25V      | C1710   | 1-163-243-11 | CERAMIC CHIP 47pF 5%      | 50V    |
| C1526                                          | 1-104-664-11 | ELECT 47μF 20%           | 25V      | C1711   | 1-163-243-11 | CERAMIC CHIP 47pF 5%      | 50V    |
| C1527                                          | 1-163-145-00 | CERAMIC CHIP 0.0015μF 5% | 50V      | C1715   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
| C1528                                          | 1-163-145-00 | CERAMIC CHIP 0.0015μF 5% | 50V      | C1716   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
| C1529                                          | 1-164-690-91 | CERAMIC CHIP 0.0022μF 5% | 50V      | C1717   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
| C1530                                          | 1-104-660-91 | ELECT 47μF 20%           | 16V      | C1718   | 1-126-968-11 | ELECT 100μF 20%           | 50V    |
| C1531                                          | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%  | 50V      | C1719   | 1-126-968-11 | ELECT 100μF 20%           | 50V    |
| C1532                                          | 1-126-960-11 | ELECT 1μF 20%            | 50V      | C1720   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
| C1601                                          | 1-163-009-11 | CERAMIC CHIP 0.001μF 10% | 50V      | C1721   | 1-164-232-11 | CERAMIC CHIP 0.01μF 10%   | 50V    |
|                                                |              |                          |          | C1723   | 1-163-235-11 | CERAMIC CHIP 22pF 5%      | 50V    |
|                                                |              |                          |          | C1724   | 1-164-004-11 | CERAMIC CHIP 0.1μF 10%    | 25V    |
|                                                |              |                          |          | C1725   | 1-164-004-11 | CERAMIC CHIP 0.1μF 10%    | 25V    |
|                                                |              |                          |          | C1726   | 1-164-004-11 | CERAMIC CHIP 0.1μF 10%    | 25V    |



| REF.NO.  | PART NO.     | DESCRIPTION                   | REMARK                  | REF.NO.  | PART NO.     | DESCRIPTION                   | REMARK |
|----------|--------------|-------------------------------|-------------------------|----------|--------------|-------------------------------|--------|
| C1727    | 1-164-004-11 | CERAMIC CHIP                  | 0.1μF 10% 25V           | CN1804 * | 1-564-508-11 | PLUG, CONNECTOR 5P            |        |
| C1802    | 1-164-232-11 | CERAMIC CHIP                  | 0.01μF 10% 50V          | CN1805 * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |        |
| C1803    | 1-126-935-11 | ELECT                         | 470μF 20% 16V           | CN1806 * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |        |
| C1804    | 1-126-964-11 | ELECT                         | 10μF 20% 50V            | CN1807 * | 1-564-511-11 | PLUG, CONNECTOR 8P (41PX1R)   |        |
| C1805    | 1-164-232-11 | CERAMIC CHIP                  | 0.01μF 10% 50V          | CN1805 * | 1-564-510-11 | PLUG, CONNECTOR 7P (41PX1R)   |        |
| C1806    | 1-104-665-11 | ELECT                         | 100μF 20% 25V           |          |              |                               |        |
| C1807    | 1-126-964-11 | ELECT                         | 10μF 20% 50V            |          |              |                               |        |
| C1808    | 1-164-232-11 | CERAMIC CHIP                  | 0.01μF 10% 50V          |          |              | <DIODE>                       |        |
| C1809    | 1-104-665-11 | ELECT                         | 100μF 20% 25V           | D1501    | 8-719-109-89 | DIODE RD5.6ESB2               |        |
| C1810    | 1-164-232-11 | CERAMIC CHIP                  | 0.01μF 10% 50V          | D1502    | 8-719-908-03 | DIODE GP08D                   |        |
| C1811    | 1-104-665-11 | ELECT                         | 100μF 20% 25V           | D1503    | 8-719-908-03 | DIODE GP08D                   |        |
| C1812    | 1-126-964-11 | ELECT                         | 10μF 20% 50V            | D1504    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1813    | 1-104-666-11 | ELECT                         | 220μF 20% 25V           | D1505    | 8-719-988-61 | DIODE 1SS355TE-17             |        |
| C1814    | 1-164-004-11 | CERAMIC CHIP                  | 0.1μF 10% 25V           | D1601    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1815    | 1-104-666-11 | ELECT                         | 220μF 20% 25V           | D1602    | 8-719-914-43 | DIODE DAN202K                 |        |
| C1816    | 1-126-964-11 | ELECT                         | 10μF 20% 50V            | D1603    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1817    | 1-126-964-11 | ELECT                         | 10μF 20% 50V (41PX1R)   | D1604    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1818    | 1-164-232-11 | CERAMIC CHIP                  | 0.01μF 10% 50V (41PX1R) | D1605    | 8-719-914-43 | DIODE DAN202K                 |        |
| C1819    | 1-163-133-00 | CERAMIC CHIP                  | 470pF 5% 50V (41PX1R)   | D1606    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1820    | 1-163-133-00 | CERAMIC CHIP                  | 470pF 5% 50V (41PX1R)   | D1607    | 8-719-914-43 | DIODE DAN202K                 |        |
| C1821    | 1-126-964-11 | ELECT                         | 10μF 20% 50V            | D1611    | 8-719-921-86 | DIODE MTZJ-13                 |        |
| C1822    | 1-164-005-11 | CERAMIC CHIP                  | 0.47μF 25V (41PX1R)     | D1612    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1822    | 1-216-295-91 | SHORT                         | 0 (41PX1/41PX1K)        | D1613    | 8-719-921-86 | DIODE MTZJ-13                 |        |
| C1823    | 1-163-251-11 | CERAMIC CHIP                  | 100pF 5% 50V (41PX1R)   | D1614    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1824    | 1-164-005-11 | CERAMIC CHIP                  | 0.47μF 25V (41PX1R)     | D1615    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1824    | 1-216-295-91 | SHORT                         | 0 (41PX1/41PX1K)        | D1616    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1825    | 1-163-251-11 | CERAMIC CHIP                  | 100pF 5% 50V (41PX1R)   | D1617    | 8-719-403-00 | DIODE MA3240-TX               |        |
| C1826    | 1-104-665-11 | ELECT                         | 100μF 20% 25V           | D1618    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1827    | 1-104-664-11 | ELECT                         | 47μF 20% 25V            | D1619    | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1828    | 1-104-664-11 | ELECT                         | 47μF 20% 25V            | D1620    | 8-719-403-00 | DIODE MA3240-TX               |        |
| C1829    | 1-104-664-11 | ELECT                         | 47μF 20% 25V            | D1621    | 8-719-403-00 | DIODE MA3240-TX               |        |
| C1830    | 1-126-964-11 | ELECT                         | 10μF 20% 50V            | D1622    | 8-719-403-00 | DIODE MA3240-TX               |        |
| C1831    | 1-163-021-91 | CERAMIC CHIP                  | 0.01μF 10% 50V          | D1703    | 8-719-109-89 | DIODE RD5.6ESB2               |        |
|          |              |                               |                         | D1704    | 8-719-109-89 | DIODE RD5.6ESB2               |        |
|          |              |                               |                         | D1705    | 8-719-109-84 | DIODE RD5.1ESB1               |        |
|          |              |                               |                         | D1706    | 8-719-109-84 | DIODE RD5.1ESB1               |        |
|          |              |                               |                         | D1707    | 8-719-109-84 | DIODE RD5.1ESB1               |        |
|          |              |                               |                         | D1708    | 8-719-109-84 | DIODE RD5.1ESB1               |        |
|          |              |                               |                         | D1709    | 8-719-109-81 | DIODE RD4.7ESB2               |        |
|          |              |                               |                         | D1710    | 8-719-109-81 | DIODE RD4.7ESB2               |        |
|          |              |                               |                         | D1711    | 8-719-109-81 | DIODE RD4.7ESB2               |        |
|          |              |                               |                         | D1712    | 8-719-109-81 | DIODE RD4.7ESB2               |        |
|          |              |                               |                         | D1801    | 8-719-923-60 | DIODE MTZJ-T-77-9.1A          |        |
|          |              |                               |                         | D1802    | 8-719-923-60 | DIODE MTZJ-T-77-9.1A          |        |
|          |              |                               |                         | D1803    | 8-719-108-12 | DIODE RD9.1EW (41PX1R)        |        |
|          |              |                               |                         | D1804    | 8-719-923-60 | DIODE MTZJ-T-77-9.1A          |        |
|          |              |                               |                         | D1805    | 8-719-108-12 | DIODE RD9.1EW (41PX1R)        |        |
|          |              |                               |                         | D1806    | 8-719-923-60 | DIODE MTZJ-T-77-9.1A          |        |
|          |              |                               |                         |          |              | <IC>                          |        |
|          |              |                               |                         | IC1501   | 8-759-192-71 | IC STV9379                    |        |
|          |              |                               |                         | IC1502   | 8-759-251-31 | IC CA0007AM                   |        |
|          |              |                               |                         | IC1503   | 8-759-998-98 | IC LM358D                     |        |
|          |              |                               |                         | IC1602   | 8-759-250-68 | IC TDA7264                    |        |
|          |              |                               |                         | IC1603   | 8-759-502-21 | IC TDA2822M                   |        |
| CN1501 * | 1-564-506-11 | PLUG, CONNECTOR 3P            |                         |          |              |                               |        |
| CN1502   | 1-695-915-11 | TAB (CONTACT)                 |                         |          |              |                               |        |
| CN1601 * | 1-564-508-11 | PLUG, CONNECTOR 5P            |                         |          |              |                               |        |
| CN1604 * | 1-564-507-11 | PLUG, CONNECTOR 4P            |                         |          |              |                               |        |
| CN1605 * | 1-508-766-00 | PIN, CONNECTOR (5MM PITCH) 4P |                         |          |              |                               |        |
| CN1606 * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |                         |          |              |                               |        |
| CN1701 * | 1-564-511-11 | PLUG, CONNECTOR 8P            |                         |          |              |                               |        |
| CN1702 * | 1-564-516-11 | PLUG, CONNECTOR 13P           |                         |          |              |                               |        |
| CN1703 * | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |                         |          |              |                               |        |
| CN1705 * | 1-564-505-31 | PLUG, CONNECTOR 2P            |                         |          |              |                               |        |
| CN1708 * | 1-564-510-11 | PLUG, CONNECTOR 7P            |                         |          |              |                               |        |
| CN1801   | 1-695-299-11 | CONNECTOR, BOARD TO BOARD 50P |                         |          |              |                               |        |
| CN1802 * | 1-764-334-11 | PLUG, CONNECTOR 11P           |                         |          |              |                               |        |
| CN1803 * | 1-764-333-11 | PLUG, CONNECTOR 10P           |                         |          |              |                               |        |



| REF.NO. | PART NO.         | DESCRIPTION                  | REMARK | REF.NO. | PART NO.     | DESCRIPTION                 | REMARK         |
|---------|------------------|------------------------------|--------|---------|--------------|-----------------------------|----------------|
| IC1701  | 8-752-908-27     | IC CXP86213-003S             |        | Q1612   | 8-729-027-56 | TRANSISTOR DTC143TKA-T146   |                |
| IC1702  | 8-759-675-64     | IC M24C08-MN6T (A)           |        | Q1613   | 8-729-027-56 | TRANSISTOR DTC143TKA-T146   |                |
| IC1703  | 8-759-467-94     | IC LM358D                    |        | Q1614   | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |                |
| IC1704  | 8-759-467-94     | IC LM358D                    |        | Q1615   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| IC1706  | 8-759-352-91     | IC PST9143NL                 |        | Q1616   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
|         |                  |                              |        | Q1617   | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |                |
| IC1801  | 8-759-390-57     | IC LM2940CT-5.0              |        | Q1701   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| IC1802  | 8-759-095-63     | IC PQ09RF2                   |        | Q1702   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| IC1803  | 8-759-231-58     | IC TA7812S                   |        | Q1703   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| IC1804  | 8-759-069-28     | IC PQ05RF11                  |        | Q1704   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| IC1805  | 8-759-467-94     | IC LM358D (41PX1R)           |        | Q1705   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
|         | <JACK>           |                              |        | Q1706   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| J1601   | 1-784-653-11     | JACK, PHONO 2P (AUDIO OUT)   |        | Q1707   | 1-801-806-11 | TRANSISTOR DTC144EKA-T146   |                |
|         | <CHIP CONDUCTOR> |                              |        | Q1708   | 8-729-027-38 | TRANSISTOR DTA144EKA-T146   |                |
| JR1502  | 1-216-295-91     | SHORT 0                      |        | Q1709   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1503  | 1-216-295-91     | SHORT 0                      |        | Q1710   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1504  | 1-216-295-91     | SHORT 0                      |        | Q1711   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1505  | 1-216-295-91     | SHORT 0                      |        | Q1801   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1506  | 1-216-295-91     | SHORT 0                      |        | Q1802   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1508  | 1-216-295-91     | SHORT 0                      |        | Q1803   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1510  | 1-216-295-91     | SHORT 0                      |        | Q1804   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1511  | 1-216-295-91     | SHORT 0                      |        | Q1805   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1512  | 1-216-295-91     | SHORT 0                      |        | Q1806   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1513  | 1-216-295-91     | SHORT 0                      |        | Q1807   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
| JR1514  | 1-216-295-91     | SHORT 0                      |        | Q1808   | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |                |
| JR1701  | 1-216-295-91     | SHORT 0                      |        | Q1809   | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6     |                |
|         | <COIL>           |                              |        |         | <RESISTOR>   |                             |                |
| L1501   | 1-412-524-11     | INDUCTOR 8.2μH               |        | R1501   | 1-216-353-00 | METAL OXIDE 2.2 5% 1W       |                |
| L1601   | 1-402-711-11     | INDUCTOR 0μH                 |        | R1502   | 1-208-802-11 | METAL CHIP 6.8K 0.5% 1/10W  |                |
| L1602   | 1-402-711-11     | INDUCTOR 0μH                 |        | R1504   | 1-208-806-11 | METAL CHIP 10K 0.5% 1/10W   |                |
| L1701   | 1-408-603-31     | INDUCTOR 10μH                |        | R1505   | 1-249-377-11 | CARBON 0.47 5% 1/4W         |                |
| L1702   | 1-408-598-31     | INDUCTOR 3.9μH               |        | R1506   | 1-215-888-00 | METAL OXIDE 220 5% 2W       |                |
| L1801   | 1-408-603-31     | INDUCTOR 10μH (41PX1R)       |        | R1507   | 1-216-081-00 | RES-CHIP 22K 5% 1/10W       |                |
| L1802   | 1-408-603-31     | INDUCTOR 10μH (41PX1/41PX1K) |        | R1508   | 1-249-383-11 | CARBON 1.5 5% 1/4W          |                |
|         | <TRANSISTOR>     |                              |        | R1509   | 1-208-800-11 | METAL CHIP 5.6K 0.5% 1/10W  | (41PX1/41PX1K) |
| Q1501   | 8-729-120-28     | TRANSISTOR 2SC1623-L5L6      |        | R1509   | 1-208-802-11 | METAL CHIP 6.8K 0.5% 1/10W  | (41PX1R)       |
| Q1502   | 8-729-026-49     | TRANSISTOR 2SA1037AK-T146-R  |        | R1510   | 1-208-806-11 | METAL CHIP 10K 0.5% 1/10W   |                |
| Q1503   | 8-729-120-28     | TRANSISTOR 2SC1623-L5L6      |        | R1511   | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W      |                |
| Q1505   | 8-729-120-28     | TRANSISTOR 2SC1623-L5L6      |        | R1512   | 1-216-085-91 | RES-CHIP 33K 5% 1/10W       |                |
| Q1601   | 8-729-027-56     | TRANSISTOR DTC143TKA-T146    |        | R1513   | 1-216-049-00 | RES-CHIP 1K 5% 1/10W        |                |
| Q1602   | 8-729-120-28     | TRANSISTOR 2SC1623-L5L6      |        | R1514   | 1-216-073-00 | RES-CHIP 10K 5% 1/10W       |                |
| Q1603   | 8-729-027-56     | TRANSISTOR DTC143TKA-T146    |        | R1515   | 1-216-073-00 | RES-CHIP 10K 5% 1/10W       |                |
| Q1604   | 8-729-027-56     | TRANSISTOR DTC143TKA-T146    |        | R1516   | 1-216-073-00 | RES-CHIP 10K 5% 1/10W       |                |
| Q1605   | 8-729-027-56     | TRANSISTOR DTC143TKA-T146    |        | R1517   | 1-216-081-00 | RES-CHIP 22K 5% 1/10W       |                |
| Q1607   | 8-729-120-28     | TRANSISTOR 2SC1623-L5L6      |        | R1518   | 1-216-353-00 | METAL OXIDE 2.2 5% 1W       |                |
| Q1608   | 8-729-120-28     | TRANSISTOR 2SC1623-L5L6      |        | R1519   | 1-216-073-00 | RES-CHIP 10K 5% 1/10W       |                |
| Q1609   | 1-801-806-11     | TRANSISTOR DTC144EKA-T146    |        | R1520   | 1-216-089-00 | RES-CHIP 47K 5% 1/10W       |                |
| Q1610   | 8-729-026-49     | TRANSISTOR 2SA1037AK-T146-R  |        | R1521   | 1-216-097-00 | RES-CHIP 100K 5% 1/10W      |                |
| Q1611   | 8-729-027-56     | TRANSISTOR DTC143TKA-T146    |        | R1522   | 1-216-089-91 | RES-CHIP 47K 5% 1/10W       |                |
|         |                  |                              |        | R1525   | 1-216-083-00 | RES-CHIP 27K 5% 1/10W       |                |
|         |                  |                              |        | R1526   | 1-216-083-00 | RES-CHIP 27K 5% 1/10W       |                |
|         |                  |                              |        | R1527   | 1-216-121-11 | RES-CHIP 1M 5% 1/10W        | (41PX1R)       |



| REF.NO. | PART NO.     | DESCRIPTION | REMARK                          | REF.NO. | PART NO.     | DESCRIPTION | REMARK        |
|---------|--------------|-------------|---------------------------------|---------|--------------|-------------|---------------|
| R1527   | 1-216-129-00 | RES-CHIP    | 2.2M 5% 1/10W<br>(41PX1/41PX1K) | R1645   | 1-216-041-00 | RES-CHIP    | 470 5% 1/10W  |
| R1528   | 1-216-121-11 | RES-CHIP    | 1M 5% 1/10W<br>(41PX1R)         | R1648   | 1-249-381-11 | CARBON      | 1 5% 1/4W     |
| R1528   | 1-216-129-00 | RES-CHIP    | 2.2M 5% 1/10W<br>(41PX1/41PX1K) | R1649   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W  |
| R1529   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                    | R1650   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1530   | 1-216-097-00 | RES-CHIP    | 100K 5% 1/10W                   | R1651   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W  |
| R1531   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W                    | R1652   | 1-216-099-00 | RES-CHIP    | 120K 5% 1/10W |
| R1532   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                    | R1653   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W   |
| R1533   | 1-249-377-11 | CARBON      | 0.47 5% 1/4W                    | R1654   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W   |
| R1534   | 1-216-089-91 | RES-CHIP    | 47K 5% 1/10W                    | R1655   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W  |
| R1537   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                    | R1656   | 1-216-295-00 | SHORT       | 0 (41PX1R)    |
| R1538   | 1-216-083-00 | RES-CHIP    | 27K 5% 1/10W                    | R1701   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W |
| R1539   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                    | R1702   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W |
| R1540   | 1-216-091-00 | RES-CHIP    | 56K 5% 1/10W                    | R1703   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W |
| R1541   | 1-216-091-00 | RES-CHIP    | 56K 5% 1/10W                    | R1704   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W |
| R1542   | 1-216-093-91 | RES-CHIP    | 68K 5% 1/10W                    | R1705   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W |
| R1543   | 1-216-093-91 | RES-CHIP    | 68K 5% 1/10W                    | R1706   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W |
| R1544   | 1-215-421-00 | METAL       | 1K 1% 1/4W<br>(41PX1/41PX1K)    | R1707   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
| R1601   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W<br>(41PX1R)        | R1708   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
| R1602   | 1-216-041-00 | RES-CHIP    | 470 5% 1/10W                    | R1709   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
| R1603   | 1-216-041-00 | RES-CHIP    | 470 5% 1/10W                    | R1710   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W   |
| R1604   | 1-216-113-00 | RES-CHIP    | 470K 5% 1/10W                   | R1711   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W  |
| R1605   | 1-216-113-00 | RES-CHIP    | 470K 5% 1/10W                   | R1712   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W  |
| R1606   | 1-249-397-11 | CARBON      | 22 5% 1/4W                      | R1713   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W  |
| R1607   | 1-249-397-11 | CARBON      | 22 5% 1/4W                      | R1714   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W  |
| R1608   | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W                    | R1715   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W  |
| R1609   | 1-216-081-00 | RES-CHIP    | 22K 5% 1/10W                    | R1716   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1610   | 1-216-081-00 | RES-CHIP    | 22K 5% 1/10W                    | R1717   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W  |
| R1611   | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W                    | R1718   | 1-216-057-00 | RES-CHIP    | 2.2K 5% 1/10W |
| R1614   | 1-216-357-00 | METAL OXIDE | 4.7 5% 1W                       | R1719   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1615   | 1-216-357-00 | METAL OXIDE | 4.7 5% 1W                       | R1720   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1617   | 1-216-069-00 | RES-CHIP    | 6.8K 5% 1/10W                   | R1721   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1618   | 1-216-081-00 | RES-CHIP    | 22K 5% 1/10W                    | R1722   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1620   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W                   | R1725   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W |
| R1625   | 1-216-061-91 | RES-CHIP    | 3.3K 5% 1/10W                   | R1726   | 1-216-295-91 | SHORT       | 0             |
| R1626   | 1-216-061-91 | RES-CHIP    | 3.3K 5% 1/10W                   | R1727   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1629   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                     | R1728   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
| R1630   | 1-216-081-00 | RES-CHIP    | 22K 5% 1/10W                    | R1729   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
| R1631   | 1-249-389-11 | CARBON      | 4.7 5% 1/4W                     | R1730   | 1-216-057-00 | RES-CHIP    | 2.2K 5% 1/10W |
| R1632   | 1-216-089-91 | RES-CHIP    | 47K 5% 1/10W                    | R1731   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1633   | 1-216-089-91 | RES-CHIP    | 47K 5% 1/10W                    | R1732   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W   |
| R1634   | 1-216-081-00 | RES-CHIP    | 22K 5% 1/10W                    | R1733   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W   |
| R1635   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W                     | R1734   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W   |
| R1636   | 1-216-075-00 | RES-CHIP    | 12K 5% 1/10W                    | R1735   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W  |
| R1637   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                     | R1736   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1638   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                    | R1737   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1639   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W                     | R1738   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
| R1640   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                    | R1739   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W  |
| R1641   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W                   | R1740   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W  |
| R1642   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                     | R1741   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1643   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                    | R1742   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
| R1644   | 1-216-075-00 | RES-CHIP    | 12K 5% 1/10W                    | R1743   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
|         |              |             |                                 | R1744   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W  |
|         |              |             |                                 | R1745   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W  |
|         |              |             |                                 | R1746   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
|         |              |             |                                 | R1747   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |
|         |              |             |                                 | R1748   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W  |



| REF.NO. | PART NO.     | DESCRIPTION | REMARK                       | REF.NO. | PART NO.     | DESCRIPTION | REMARK                       |
|---------|--------------|-------------|------------------------------|---------|--------------|-------------|------------------------------|
| R1749   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W                 | R1807   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1750   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1808   | 1-216-059-00 | RES-CHIP    | 2.7K 5% 1/10W (41PX1R)       |
| R1751   | 1-216-033-00 | RES-CHIP    | 220 5% 1/10W                 | R1808   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1752   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1809   | 1-216-097-00 | RES-CHIP    | 100K 5% 1/10W                |
| R1753   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1810   | 1-216-021-00 | RES-CHIP    | 68 5% 1/10W (41PX1/41PX1K)   |
| R1754   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1810   | 1-216-023-00 | RES-CHIP    | 82 5% 1/10W (41PX1R)         |
| R1755   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1811   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 |
| R1756   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1812   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 |
| R1757   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1813   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  |
| R1758   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1814   | 1-216-023-00 | RES-CHIP    | 82 5% 1/10W                  |
| R1759   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1815   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 |
| R1760   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1816   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 |
| R1762   | 1-216-063-91 | RES-CHIP    | 3.9K 5% 1/10W (41PX1/41PX1K) | R1817   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 |
| R1762   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W (41PX1R)       | R1818   | 1-216-059-00 | RES-CHIP    | 2.7K 5% 1/10W                |
| R1763   | 1-208-797-11 | METAL CHIP  | 4.3K 0.5% 1/10W (41PX1R)     | R1819   | 1-216-059-00 | RES-CHIP    | 2.7K 5% 1/10W (41PX1R)       |
| R1763   | 1-216-061-91 | RES-CHIP    | 3.3K 5% 1/10W (41PX1/41PX1K) | R1819   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1764   | 1-216-063-91 | RES-CHIP    | 3.9K 5% 1/10W (41PX1/41PX1K) | R1820   | 1-216-059-00 | RES-CHIP    | 2.7K 5% 1/10W (41PX1R)       |
| R1764   | 1-216-065-00 | RES-CHIP    | 4.7K 5% 1/10W (41PX1R)       | R1820   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1765   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1821   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 |
| R1766   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W                  | R1822   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1767   | 1-216-113-00 | RES-CHIP    | 470K 5% 1/10W                | R1823   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1768   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W                  | R1824   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1769   | 1-216-115-00 | RES-CHIP    | 560K 5% 1/10W                | R1824   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1770   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W                  | R1825   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1771   | 1-216-113-00 | RES-CHIP    | 470K 5% 1/10W                | R1825   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1772   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W                  | R1826   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1773   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1826   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1774   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1827   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1775   | 1-216-115-00 | RES-CHIP    | 560K 5% 1/10W                | R1828   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1778   | 1-216-049-11 | RES-CHIP    | 1K 5% 1/10W                  | R1829   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W (41PX1R)        |
| R1786   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1829   | 1-216-295-91 | SHORT       | 0 (41PX1/41PX1K)             |
| R1787   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1830   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 |
| R1788   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1831   | 1-216-063-91 | RES-CHIP    | 3.9K 5% 1/10W                |
| R1789   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  | R1832   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W (41PX1R)         |
| R1790   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1832   | 1-216-051-00 | RES-CHIP    | 1.2K 5% 1/10W (41PX1/41PX1K) |
| R1791   | 1-216-025-00 | RES-CHIP    | 100 5% 1/10W                 | R1833   | 1-216-041-00 | RES-CHIP    | 470 5% 1/10W                 |
| R1792   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W                 | R1834   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  |
| R1793   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W                 | R1835   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  |
| R1794   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W                 | R1836   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  |
| R1795   | 1-216-089-00 | RES-CHIP    | 47K 5% 1/10W                 | R1837   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  |
| R1802   | 1-215-925-11 | METAL OXIDE | 22K 5% 3W                    | R1838   | 1-216-041-00 | RES-CHIP    | 470 5% 1/10W                 |
| R1803   | 1-216-073-00 | RES-CHIP    | 10K 5% 1/10W                 | R1839   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  |
| R1804   | 1-216-113-00 | RES-CHIP    | 470K 5% 1/10W (41PX1R)       | R1840   | 1-216-049-00 | RES-CHIP    | 1K 5% 1/10W                  |
| R1805   | 1-216-113-00 | RES-CHIP    | 470K 5% 1/10W (41PX1R)       |         |              |             |                              |
| R1806   | 1-216-021-00 | RES-CHIP    | 68 5% 1/10W (41PX1/41PX1K)   |         |              |             |                              |
| R1806   | 1-216-023-00 | RES-CHIP    | 82 5% 1/10W (41PX1R)         |         |              |             |                              |
| R1807   | 1-216-059-00 | RES-CHIP    | 2.7K 5% 1/10W (41PX1R)       |         |              |             |                              |



| REF.NO.                               | PART NO.       | DESCRIPTION                   | REMARK   |              |                         | REF.NO. | PART NO.     | DESCRIPTION | REMARK   |     |      |
|---------------------------------------|----------------|-------------------------------|----------|--------------|-------------------------|---------|--------------|-------------|----------|-----|------|
| R1841                                 | 1-216-049-00   | RES-CHIP                      | 1K       | 5%           | 1/10W                   | C529    | 1-109-844-11 | FILM        | 0.68μF   | 5%  | 250V |
| R1842                                 | 1-216-049-00   | RES-CHIP                      | 1K       | 5%           | 1/10W                   | C530    | 1-107-648-91 | ELECT       | 100μF    | 20% | 160V |
| R1842                                 | 1-216-051-00   | RES-CHIP                      | 1.2K     | 5%           | 1/10W<br>(41PX1/41PX1K) | C531    | 1-126-971-11 | ELECT       | 470μF    | 20% | 50V  |
|                                       |                |                               |          |              |                         | C532    | 1-126-971-11 | ELECT       | 470μF    | 20% | 50V  |
|                                       |                |                               |          |              |                         | C533    | 1-107-655-11 | ELECT       | 47μF     | 20% | 250V |
| R1843                                 | 1-216-041-00   | RES-CHIP                      | 470      | 5%           | 1/10W                   | C535    | 1-106-387-00 | MYLAR       | 0.068μF  | 10% | 200V |
| R1844                                 | 1-216-049-00   | RES-CHIP                      | 1K       | 5%           | 1/10W                   | C536    | 1-137-374-11 | MYLAR       | 0.047μF  | 5%  | 50V  |
| R1845                                 | 1-216-049-00   | RES-CHIP                      | 1K       | 5%           | 1/10W                   | C537    | 1-126-968-11 | ELECT       | 100μF    | 20% | 50V  |
| R1846                                 | 1-216-049-00   | RES-CHIP                      | 1K       | 5%           | 1/10W                   | C538    | 1-126-968-11 | ELECT       | 100μF    | 20% | 50V  |
| R1847                                 | 1-216-049-00   | RES-CHIP                      | 1K       | 5%           | 1/10W                   | C539    | 1-162-114-00 | CERAMIC     | 0.0047μF |     | 2KV  |
| R1848                                 | 1-216-049-00   | RES-CHIP                      | 1K       | 5%           | 1/10W                   | C540    | 1-137-372-11 | MYLAR       | 0.022μF  | 5%  | 50V  |
| R1849                                 | 1-216-041-00   | RES-CHIP                      | 470      | 5%           | 1/10W                   | C541    | 1-137-374-11 | MYLAR       | 0.047μF  | 5%  | 50V  |
| <RELAY>                               |                |                               |          |              |                         | C542    | 1-126-934-11 | ELECT       | 220μF    | 20% | 16V  |
|                                       |                |                               |          |              |                         | C548    | 1-102-244-00 | CERAMIC     | 220pF    | 10% | 500V |
|                                       |                |                               |          |              |                         | C550    | 1-126-935-11 | ELECT       | 470μF    | 20% | 16V  |
| RY1601                                | 1-755-028-11   | RELAY                         |          |              |                         | C551    | 1-126-935-11 | ELECT       | 470μF    | 20% | 16V  |
| RY1602                                | 1-755-028-11   | RELAY                         |          |              |                         | C554    | 1-130-062-91 | FILM        | 0.0056μF | 5%  | 630V |
| <TERMINAL BOARD>                      |                |                               |          |              |                         | C555    | 1-126-960-11 | ELECT       | 1μF      | 20% | 50V  |
|                                       |                |                               |          |              |                         | C556    | 1-130-495-00 | MYLAR       | 0.1μF    | 5%  | 50V  |
|                                       |                |                               |          |              |                         | C701    | 1-126-933-11 | ELECT       | 100μF    | 20% | 16V  |
| TB1601                                | 1-694-303-11   | TERMINAL, PUSH (CENTER SP IN) |          |              |                         | C801    | 1-104-665-11 | ELECT       | 100μF    | 20% | 25V  |
|                                       |                |                               | C802     | 1-104-665-11 | ELECT                   | 100μF   | 20%          | 25V         |          |     |      |
|                                       |                |                               | C803     | 1-126-934-11 | ELECT                   | 220μF   | 20%          | 16V         |          |     |      |
|                                       |                |                               | C804     | 1-126-934-11 | ELECT                   | 220μF   | 20%          | 16V         |          |     |      |
| <CRYSTAL>                             |                |                               |          |              |                         | C805    | 1-126-934-11 | ELECT       | 220μF    | 20% | 16V  |
|                                       |                |                               |          |              |                         | C806    | 1-126-934-11 | ELECT       | 220μF    | 20% | 16V  |
|                                       |                |                               |          |              |                         | C807    | 1-137-374-11 | MYLAR       | 0.047μF  | 5%  | 50V  |
| X1701                                 | 1-579-125-11   | VIBRATOR, CERAMIC (8.0MHz)    |          |              |                         | C808    | 1-137-374-11 | MYLAR       | 0.047μF  | 5%  | 50V  |
| *****                                 |                |                               |          |              |                         | C809    | 1-137-374-11 | MYLAR       | 0.047μF  | 5%  | 50V  |
| *A-1642-288-AE BOARD, COMPLETE        |                |                               |          |              |                         | C810    | 1-137-374-11 | MYLAR       | 0.047μF  | 5%  | 50V  |
| *****                                 |                |                               |          |              |                         | C811    | 1-102-074-00 | CERAMIC     | 0.001μF  | 10% | 50V  |
| 4-382-854-11 SCREW (M3X10), P, SW (+) |                |                               |          |              |                         | C812    | 1-136-169-00 | MYLAR       | 0.22μF   | 5%  | 50V  |
| 7-682-952-09 SCREW +PSW 3X16          |                |                               |          |              |                         | C813    | 1-137-374-11 | MYLAR       | 0.047μF  | 5%  | 50V  |
| <CAPACITOR>                           |                |                               |          |              |                         | C815    | 1-104-665-11 | ELECT       | 100μF    | 20% | 25V  |
|                                       |                |                               |          |              |                         | C816    | 1-130-014-00 | FILM        | 470pF    | 5%  | 50V  |
|                                       |                |                               |          |              |                         | C817    | 1-104-664-11 | ELECT       | 47μF     | 20% | 25V  |
| C502                                  | 1-126-959-11   | ELECT                         | 0.47μF   | 20%          | 50V                     | C818    | 1-126-933-11 | ELECT       | 100μF    | 20% | 16V  |
| C505                                  | 1-130-471-00   | MYLAR                         | 0.001μF  | 5%           | 50V                     | C819    | 1-104-664-11 | ELECT       | 47μF     | 20% | 25V  |
| C506                                  | 1-126-933-11   | ELECT                         | 100μF    | 20%          | 16V                     | C820    | 1-102-129-00 | CERAMIC     | 0.01μF   | 10% | 50V  |
| C507                                  | 1-126-965-91   | ELECT                         | 22μF     | 20%          | 50V                     | C821    | 1-130-495-00 | MYLAR       | 0.1μF    | 5%  | 50V  |
| C508                                  | 1-102-228-00   | CERAMIC                       | 470pF    | 10%          | 500V                    | C822    | 1-107-648-91 | ELECT       | 100μF    | 20% | 160V |
| C509                                  | 1-106-383-00   | MYLAR                         | 0.047μF  | 10%          | 200V                    | C823    | 1-104-664-11 | ELECT       | 47μF     | 20% | 25V  |
| C511                                  | 1-130-475-00   | MYLAR                         | 0.0022μF | 5%           | 50V                     | C824    | 1-126-964-11 | ELECT       | 10μF     | 20% | 50V  |
| C512                                  | 1-136-479-11   | FILM                          | 0.001μF  | 5%           | 50V                     | C825    | 1-104-665-11 | ELECT       | 100μF    | 20% | 25V  |
| C513                                  | 1-126-965-91   | ELECT                         | 22μF     | 20%          | 50V                     | C826    | 1-136-165-00 | MYLAR       | 0.1μF    | 5%  | 50V  |
| C514                                  | Δ 1-162-116-91 | CERAMIC                       | 680pF    | 10%          | 2KV                     | C827    | 1-126-964-11 | ELECT       | 10μF     | 20% | 50V  |
| C515                                  | Δ 1-125-831-91 | FILM                          | 0.033μF  | 3%           | 630V                    | C828    | 1-102-824-00 | CERAMIC     | 470pF    | 5%  | 50V  |
| C516                                  | Δ 1-117-648-11 | FILM                          | 15000pF  | 3%           | 1.2KV                   | C829    | 1-126-959-11 | ELECT       | 0.47μF   | 20% | 50V  |
| C518                                  | 1-130-495-00   | MYLAR                         | 0.1μF    | 5%           | 50V                     | C830    | 1-102-824-00 | CERAMIC     | 470pF    | 5%  | 50V  |
| C519                                  | 1-106-359-00   | MYLAR                         | 0.0047μF | 10%          | 100V                    | C831    | 1-126-960-11 | ELECT       | 1μF      | 20% | 50V  |
| C520                                  | 1-162-116-00   | CERAMIC                       | 680pF    | 10%          | 2KV                     | C832    | 1-126-960-11 | ELECT       | 1μF      | 20% | 50V  |
| C521                                  | 1-162-116-00   | CERAMIC                       | 680pF    | 10%          | 2KV                     | C833    | 1-126-960-11 | ELECT       | 1μF      | 20% | 50V  |
| C523                                  | 1-115-521-11   | FILM                          | 0.82μF   | 5%           | 250V                    | C834    | 1-126-968-11 | ELECT       | 100μF    | 20% | 50V  |
| C524                                  | 1-106-359-00   | MYLAR                         | 0.0047μF | 10%          | 100V                    | C835    | 1-126-967-11 | ELECT       | 47μF     | 20% | 50V  |
| C526                                  | 1-102-228-00   | CERAMIC                       | 470pF    | 10%          | 500V                    | C836    | 1-136-169-00 | MYLAR       | 0.22μF   | 5%  | 50V  |
| C527                                  | 1-126-970-11   | ELECT                         | 330μF    | 20%          | 50V                     | C837    | 1-126-963-11 | ELECT       | 4.7μF    | 20% | 50V  |
| C528                                  | 1-107-957-11   | ELECT                         | 1μF      | 20%          | 250V                    |         |              |             |          |     |      |



| REF.NO. | PART NO.     | DESCRIPTION | REMARK          | REF.NO.        | PART NO.       | DESCRIPTION                   | REMARK |
|---------|--------------|-------------|-----------------|----------------|----------------|-------------------------------|--------|
| C838    | 1-104-665-11 | ELECT       | 100μF 20% 25V   | <CONNECTOR>    |                |                               |        |
| C839    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | CN501          | * 1-564-513-11 | PLUG, CONNECTOR 10P           |        |
| C840    | 1-104-665-11 | ELECT       | 100μF 20% 25V   | CN502          | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P  |        |
| C841    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | CN503          | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P  |        |
| C842    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | CN504          | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P  |        |
| C843    | 1-104-664-11 | ELECT       | 47μF 20% 25V    | CN505          | * 1-506-371-00 | PIN, CONNECTOR 2P             |        |
| C844    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | CN506          | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |        |
| C845    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | CN507          | * 1-564-507-11 | PLUG, CONNECTOR 4P            |        |
| C846    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | CN508          | 1-695-915-11   | TAB (CONTACT)                 |        |
| C847    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | CN651          | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |        |
| C848    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | CN652          | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |        |
| C849    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | CN801          | * 1-564-507-11 | PLUG, CONNECTOR 4P            |        |
| C850    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | CN802          | * 1-564-507-11 | PLUG, CONNECTOR 4P            |        |
| C851    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | CN803          | * 1-564-507-11 | PLUG, CONNECTOR 4P            |        |
| C852    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | CN804          | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |        |
| C853    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | CN805          | * 1-508-766-00 | PIN, CONNECTOR (5MM PITCH) 4P |        |
| C854    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | CN806          | * 1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P |        |
| C855    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | CN807          | * 1-564-509-11 | PLUG, CONNECTOR 6P            |        |
| C856    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | CN808          | * 1-573-986-11 | PIN, CONNECTOR (PC BOARD) 5P  |        |
| C857    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | CN810          | * 1-573-963-11 | PIN, CONNECTOR (PC BOARD) 3P  |        |
| C858    | 1-104-665-11 | ELECT       | 100μF 20% 25V   | <DIODE>        |                |                               |        |
| C859    | 1-104-665-11 | ELECT       | 100μF 20% 25V   | D501           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C860    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | D502           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C861    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | D503           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C862    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | D504           | 8-719-921-63   | DIODE MTZJ-7.5B               |        |
| C863    | 1-137-374-11 | MYLAR       | 0.047μF 5% 50V  | D507           | 8-719-302-43   | DIODE EL1Z                    |        |
| C864    | 1-126-933-11 | ELECT       | 100μF 20% 16V   | D508           | 8-719-900-26   | DIODE ERD29-08J               |        |
| C865    | 1-137-366-11 | MYLAR       | 0.0022μF 5% 50V | D509           | 8-719-945-80   | DIODE ERC06-15S               |        |
| C866    | 1-136-177-00 | MYLAR       | 1μF 5% 50V      | D510           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C867    | 1-104-664-11 | ELECT       | 47μF 20% 25V    | D511           | 8-719-302-43   | DIODE EL1Z                    |        |
| C868    | 1-164-096-11 | CERAMIC     | 0.01μF 50V      | D512           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C869    | 1-130-487-00 | MYLAR       | 0.022μF 5% 50V  | D513           | 8-719-302-43   | DIODE EL1Z                    |        |
| C870    | 1-164-096-11 | CERAMIC     | 0.01μF 50V      | D514           | 8-719-908-03   | DIODE GP08D                   |        |
| C872    | 1-126-960-11 | ELECT       | 1μF 20% 50V     | D515           | 8-719-908-03   | DIODE GP08D                   |        |
| C873    | 1-126-964-11 | ELECT       | 10μF 20% 50V    | D517           | 8-719-018-82   | DIODE RGP02-20EL-6394         |        |
| C874    | 1-104-664-11 | ELECT       | 47μF 20% 25V    | D519           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C875    | 1-164-096-11 | CERAMIC     | 0.01μF 50V      | D522           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C876    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D523           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C877    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D524           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C878    | 1-104-664-11 | ELECT       | 47μF 20% 25V    | D527           | 8-719-109-85   | DIODE RD5.1ESB2               |        |
| C879    | 1-104-664-11 | ELECT       | 47μF 20% 25V    | D560           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C880    | 1-104-664-11 | ELECT       | 47μF 20% 25V    | D701           | 8-719-109-63   | DIODE RD3.0ESB2               |        |
| C881    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D702           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C882    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D820           | 8-719-109-68   | DIODE RD3.6ESB1               |        |
| C883    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D829           | 8-719-109-84   | DIODE RD5.1ESB1               |        |
| C884    | 1-104-665-11 | ELECT       | 100μF 20% 25V   | D835           | 8-719-109-89   | DIODE RD5.6ESB2               |        |
| C885    | 1-104-664-11 | ELECT       | 47μF 20% 25V    | D840           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C886    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D842           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C887    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D845           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C888    | 1-102-973-00 | CERAMIC     | 100pF 5% 50V    | D846           | 8-719-991-33   | DIODE 1SS133T-77              |        |
| C889    | 1-104-665-11 | ELECT       | 100μF 20% 25V   | <FERRITE BEAD> |                |                               |        |
| C897    | 1-104-665-11 | ELECT       | 100μF 20% 25V   | FB501          | 1-410-397-21   | FERRITE                       | 1.1μH  |
| C898    | 1-164-096-11 | CERAMIC     | 0.01μF 50V      |                |                |                               |        |

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

• The components identified by  $\Delta$  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

KP-41PX1/41PX1K/41PX1R

RM-892

RM-892

RM-862



| REF.NO. | PART NO.              | DESCRIPTION                   | REMARK | REF.NO.              | PART NO.     | DESCRIPTION               | REMARK  |
|---------|-----------------------|-------------------------------|--------|----------------------|--------------|---------------------------|---------|
|         |                       | <IC>                          |        |                      |              |                           |         |
| IC501   | 8-759-133-90          | IC $\mu$ PC339C               |        | Q802                 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE    |         |
| IC801   | 8-759-327-51          | IC PA0053B                    |        | Q803                 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA |         |
| IC802   | 8-759-327-51          | IC PA0053B                    |        | Q804                 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE    |         |
| IC803   | 8-759-183-37          | IC CA0007AD                   |        | Q805                 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA |         |
| IC804   | 8-759-464-79          | IC PM0011AS                   |        | Q806                 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE    |         |
| IC805   | 8-759-711-28          | IC NJM2058D                   |        | Q807                 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA |         |
| IC806   | 8-759-464-79          | IC PM0011AS                   |        | Q808                 | 8-729-030-02 | TRANSISTOR DTC144ESA      |         |
| IC807   | 8-759-700-69          | IC NJM79L12A                  |        | Q809                 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA |         |
| IC808   | 8-759-464-79          | IC PM0011AS                   |        | Q810                 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA |         |
| IC809   | 8-749-014-37          | IC STK392-150                 |        | Q811                 | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA |         |
| IC810   | 8-749-014-37          | IC STK392-150                 |        | Q812                 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE    |         |
| IC811   | 8-759-981-96          | IC RC4560D                    |        |                      |              | <RESISTOR>                |         |
| IC812   | 8-759-701-56          | IC NJM78M05FA                 |        | $\Delta$ R1 $\Delta$ |              | METAL                     | 1% 1/4W |
| IC813   | 8-759-701-65          | IC NJM79M05FA                 |        | R501                 | 1-249-421-11 | CARBON 2.2K               | 5% 1/4W |
| IC814   | 8-759-595-88          | IC AN77L12-TA                 |        | R502                 | 1-216-465-21 | METAL OXIDE 27K           | 5% 2W   |
|         |                       | <COIL>                        |        | R503                 | 1-247-843-11 | CARBON 3.3K               | 5% 1/4W |
| L502    | 1-410-478-11          | INDUCTOR 47 $\mu$ H           |        | R504                 | 1-249-419-11 | CARBON 1.5K               | 5% 1/4W |
| L503    | 1-459-111-00          | INDUCTOR 10mH                 |        | R505                 | 1-247-885-00 | CARBON 180K               | 5% 1/4W |
| L505    | $\Delta$ 1-416-637-11 | COIL, HORIZONTAL LINEARITY    |        | R506                 | 1-247-883-00 | CARBON 150K               | 5% 1/4W |
| L506    | 1-412-552-11          | INDUCTOR 2.2mH                |        | R507                 | 1-249-422-11 | CARBON 2.7K               | 5% 1/4W |
| L801    | 1-406-979-11          | INDUCTOR 220 $\mu$ H          |        | R508                 | 1-260-338-51 | CARBON 6.8K               | 5% 1/2W |
| L802    | 1-406-979-11          | INDUCTOR 220 $\mu$ H          |        | R509                 | 1-249-437-11 | CARBON 47K                | 5% 1/4W |
| L803    | 1-406-665-11          | INDUCTOR 100 $\mu$ H          |        | R510                 | 1-215-918-00 | METAL OXIDE 1.5K          | 5% 3W   |
|         |                       | <NEON LAMP>                   |        | R511                 | 1-215-918-00 | METAL OXIDE 1.5K          | 5% 3W   |
| NL501   | 1-519-108-99          | LAMP, NEON                    |        | R512                 | 1-215-918-00 | METAL OXIDE 1.5K          | 5% 3W   |
|         |                       | <IC LINK>                     |        | R513                 | 1-247-843-11 | CARBON 3.3K               | 5% 1/4W |
| PS601   | $\Delta$ 1-533-597-31 | LINK, IC (5A/90V AC, 60V DC)  |        | R514                 | 1-215-443-00 | METAL 8.2K                | 1% 1/4W |
| PS602   | $\Delta$ 1-533-597-31 | LINK, IC (5A/90V AC, 60V DC)  |        | R516                 | 1-215-467-00 | METAL 82K                 | 1% 1/4W |
| PS603   | $\Delta$ 1-533-593-31 | LINK, IC (2A/90V AC, 60V DC)  |        | R517                 | 1-215-449-00 | METAL 15K                 | 1% 1/4W |
| PS604   | $\Delta$ 1-533-593-31 | LINK, IC (2A/90V AC, 60V DC)  |        | R518                 | 1-249-436-11 | CARBON 39K                | 5% 1/4W |
| PS605   | $\Delta$ 1-533-593-31 | LINK, IC (2A/90V AC, 60V DC)  |        | R519                 | 1-249-429-11 | CARBON 10K                | 5% 1/4W |
| PS606   | $\Delta$ 1-533-593-31 | LINK, IC (2A/90V AC, 60V DC)  |        | R522                 | 1-249-428-11 | CARBON 8.2K               | 5% 1/4W |
| PS607   | $\Delta$ 1-533-593-31 | LINK, IC (2A/90V AC, 60V DC)  |        | R523                 | 1-249-437-11 | CARBON 47K                | 5% 1/4W |
| PS608   | $\Delta$ 1-533-593-31 | LINK, IC (2A/90V AC, 60V DC)  |        | R524                 | 1-249-425-11 | CARBON 4.7K               | 5% 1/4W |
|         |                       | <TRANSISTOR>                  |        | R525                 | 1-249-405-11 | CARBON 100                | 5% 1/4W |
| Q501    | 8-729-119-80          | TRANSISTOR 2SC2688-LK         |        | R527                 | 1-249-425-11 | CARBON 4.7K               | 5% 1/4W |
| Q502    | 8-729-044-29          | TRANSISTOR 2SD2539 (LBSONY-1) |        | R528                 | 1-215-910-00 | METAL OXIDE 68            | 5% 3W   |
| Q503    | 8-729-119-76          | TRANSISTOR 2SA1175-HFE        |        | R529                 | 1-215-449-00 | METAL 15K                 | 1% 1/4W |
| Q504    | 8-729-046-80          | TRANSISTOR 2SC4634LS-CB11     |        | R530                 | 1-249-429-11 | CARBON 10K                | 5% 1/4W |
| Q505    | 8-729-038-83          | TRANSISTOR 2SK2251-01-F19     |        | R531                 | 1-260-326-11 | CARBON 680                | 5% 1/2W |
| Q506    | 8-729-423-33          | TRANSISTOR 2SC3311A-QRSTA     |        | R532                 | 1-260-315-71 | CARBON 82                 | 5% 1/2W |
| Q507    | 8-729-032-61          | TRANSISTOR 2SC5022-02         |        | R533                 | 1-214-912-00 | METAL 91K                 | 1% 1/2W |
| Q701    | 8-729-423-33          | TRANSISTOR 2SC3311A-QRSTA     |        | R534                 | 1-215-479-00 | METAL 270K                | 1% 1/4W |
| Q702    | 8-729-423-33          | TRANSISTOR 2SC3311A-QRSTA     |        | R535                 | 1-247-887-00 | CARBON 220K               | 5% 1/4W |
| Q801    | 8-729-423-33          | TRANSISTOR 2SC3311A-QRSTA     |        | R536                 | 1-249-377-11 | CARBON 0.47               | 5% 1/4W |
|         |                       |                               |        | R537                 | 1-260-336-11 | CARBON 4.7K               | 5% 1/2W |
|         |                       |                               |        | R538                 | 1-249-425-11 | CARBON 4.7K               | 5% 1/4W |
|         |                       |                               |        | R539                 | 1-249-377-11 | CARBON 0.47               | 5% 1/4W |
|         |                       |                               |        | R540                 | 1-249-377-11 | CARBON 0.47               | 5% 1/4W |
|         |                       |                               |        | R541                 | 1-247-807-31 | CARBON 100                | 5% 1/4W |
|         |                       |                               |        | R542                 | 1-215-864-00 | METAL OXIDE 150           | 5% 1W   |
|         |                       |                               |        | R543                 | 1-216-349-00 | METAL OXIDE 1             | 5% 1W   |
|         |                       |                               |        | R544                 | 1-216-864-00 | METAL OXIDE 150           | 5% 1W   |
|         |                       |                               |        | R545                 | 1-249-377-11 | CARBON 0.47               | 5% 1/4W |



| REF.NO. | PART NO.     | DESCRIPTION | REMARK        | REF.NO. | PART NO.     | DESCRIPTION | REMARK       |
|---------|--------------|-------------|---------------|---------|--------------|-------------|--------------|
| R546    | 1-249-377-11 | CARBON      | 0.47 5% 1/4W  | R810    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R547    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R811    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R548    | 1-249-413-11 | CARBON      | 470 5% 1/4W   | R813    | 1-249-433-11 | CARBON      | 22K 5% 1/4W  |
| R549    | 1-249-431-11 | CARBON      | 15K 5% 1/4W   |         |              |             |              |
|         |              |             |               | R814    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R550    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R815    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R551    | 1-249-437-11 | CARBON      | 47K 5% 1/4W   | R816    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R552    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R817    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R553    | 1-247-881-00 | CARBON      | 120K 5% 1/4W  | R818    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  |
| R554    | 1-249-405-11 | CARBON      | 100 5% 1/4W   |         |              |             |              |
|         |              |             |               | R819    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R555    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R820    | 1-249-437-11 | CARBON      | 47K 5% 1/4W  |
| R556    | 1-260-328-11 | CARBON      | 1K 5% 1/2W    | R821    | 1-249-431-11 | CARBON      | 15K 5% 1/4W  |
| R557    | 1-216-490-11 | METAL OXIDE | 39K 5% 3W     | R822    | 1-249-417-11 | CARBON      | 1K 5% 1/4W   |
| R558    | 1-216-490-11 | METAL OXIDE | 39K 5% 3W     | R823    | 1-249-417-11 | CARBON      | 1K 5% 1/4W   |
| R559    | 1-216-490-11 | METAL OXIDE | 39K 5% 3W     |         |              |             |              |
|         |              |             |               | R824    | 1-215-462-00 | METAL       | 51K 1% 1/4W  |
| R562    | 1-202-838-00 | SOLID       | 100K 10% 1/2W | R825    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R563    | 1-215-447-00 | METAL       | 12K 1% 1/4W   | R826    | 1-215-462-00 | METAL       | 51K 1% 1/4W  |
| R565    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R827    | 1-216-474-11 | METAL OXIDE | 82 5% 3W     |
| R567    | 1-216-390-11 | METAL OXIDE | 1.2 5% 3W     | R828    | 1-249-426-11 | CARBON      | 5.6K 5% 1/4W |
| R568    | 1-247-903-00 | CARBON      | 1M 5% 1/4W    |         |              |             |              |
|         |              |             |               | R829    | 1-249-426-11 | CARBON      | 5.6K 5% 1/4W |
| R569    | 1-216-390-11 | METAL OXIDE | 1.2 5% 3W     | R830    | 1-249-414-11 | CARBON      | 560 5% 1/4W  |
| R570    | 1-215-910-00 | METAL OXIDE | 68 5% 3W      | R831    | 1-249-414-11 | CARBON      | 560 5% 1/4W  |
| R571    | 1-249-422-11 | CARBON      | 2.7K 5% 1/4W  | R832    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R572    | 1-247-895-91 | CARBON      | 470K 5% 1/4W  | R833    | 1-216-474-11 | METAL OXIDE | 82 5% 3W     |
| R573    | 1-249-438-11 | CARBON      | 56K 5% 1/4W   |         |              |             |              |
|         |              |             |               | R834    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R574    | 1-249-435-11 | CARBON      | 33K 5% 1/4W   | R835    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R576    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R836    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R577    | 1-249-422-11 | CARBON      | 2.7K 5% 1/4W  | R837    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R578    | 1-215-473-00 | METAL       | 150K 1% 1/4W  | R838    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W |
| R579    | 1-247-889-00 | CARBON      | 270K 5% 1/4W  |         |              |             |              |
|         |              |             |               | R839    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R580    | 1-249-437-11 | CARBON      | 47K 5% 1/4W   | R841    | 1-249-409-11 | CARBON      | 220 5% 1/4W  |
| R581    | 1-249-437-11 | CARBON      | 47K 5% 1/4W   | R842    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R583    | 1-249-428-11 | CARBON      | 8.2K 5% 1/4W  | R843    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R584    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   | R844    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R585    | 1-216-490-11 | METAL OXIDE | 39K 5% 3W     |         |              |             |              |
|         |              |             |               | R845    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R586    | 1-215-892-11 | METAL OXIDE | 1K 5% 2W      | R846    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R588    | 1-249-433-11 | CARBON      | 22K 5% 1/4W   | R847    | 1-215-481-00 | METAL       | 330K 1% 1/4W |
| R589    | 1-247-887-00 | CARBON      | 220K 5% 1/4W  | R848    | 1-215-449-00 | METAL       | 15K 1% 1/4W  |
| R591    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W  | R850    | 1-215-481-00 | METAL       | 330K 1% 1/4W |
| R595    | 1-215-464-00 | METAL       | 62K 1% 1/4W   |         |              |             |              |
|         |              |             |               | R851    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R596    | 1-215-473-00 | METAL       | 150K 1% 1/4W  | R852    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R597    | 1-215-464-00 | METAL       | 62K 1% 1/4W   | R853    | 1-247-887-00 | CARBON      | 220K 5% 1/4W |
| R701    | 1-215-449-00 | METAL       | 15K 1% 1/4W   | R854    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  |
| R702    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W  | R856    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R703    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W  |         |              |             |              |
|         |              |             |               | R857    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R704    | 1-215-457-00 | METAL       | 33K 1% 1/4W   | R858    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R705    | 1-215-457-00 | METAL       | 33K 1% 1/4W   | R859    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R706    | 1-215-457-00 | METAL       | 33K 1% 1/4W   | R860    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R801    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R861    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R802    | 1-247-807-31 | CARBON      | 100 5% 1/4W   |         |              |             |              |
|         |              |             |               | R862    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R803    | 1-249-430-11 | CARBON      | 12K 5% 1/4W   | R863    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R804    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W  | R865    | 1-249-424-11 | CARBON      | 3.9K 5% 1/4W |
| R805    | 1-247-807-31 | CARBON      | 100 5% 1/4W   | R866    | 1-249-437-11 | CARBON      | 47K 5% 1/4W  |
| R806    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   | R867    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R807    | 1-247-807-31 | CARBON      | 100 5% 1/4W   |         |              |             |              |
|         |              |             |               | R868    | 1-215-443-00 | METAL       | 8.2K 1% 1/4W |
| R808    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   | R869    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W |
| R809    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W  | R870    | 1-249-437-11 | CARBON      | 47K 5% 1/4W  |



| REF.NO. | PART NO.     | DESCRIPTION | REMARK       | REF.NO. | PART NO.     | DESCRIPTION | REMARK       |
|---------|--------------|-------------|--------------|---------|--------------|-------------|--------------|
| R871    | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R931    | 1-215-445-00 | METAL       | 10K 1% 1/4W  |
| R872    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R933    | 1-215-445-00 | METAL       | 10K 1% 1/4W  |
| R873    | 1-247-807-31 | CARBON      | 100 5% 1/4W  | R934    | 1-249-422-11 | CARBON      | 2.7K 5% 1/4W |
| R874    | 1-249-435-11 | CARBON      | 33K 5% 1/4W  | R935    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  |
| R875    | 1-249-441-11 | CARBON      | 100K 5% 1/4W | R936    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  |
| R877    | 1-249-422-11 | CARBON      | 2.7K 5% 1/4W | R937    | 1-249-436-11 | CARBON      | 39K 5% 1/4W  |
| R878    | 1-215-469-00 | METAL       | 100K 1% 1/4W | R938    | 1-215-421-00 | METAL       | 1K 1% 1/4W   |
| R879    | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R939    | 1-259-878-11 | CARBON      | 1.5M 5% 1/4W |
| R881    | 1-249-408-11 | CARBON      | 180 5% 1/4W  | R940    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R882    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R941    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R883    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R942    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W |
| R884    | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R943    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R885    | 1-249-441-11 | CARBON      | 100K 5% 1/4W | R944    | 1-215-421-00 | METAL       | 1K 1% 1/4W   |
| R886    | 1-249-428-11 | CARBON      | 8.2K 5% 1/4W | R945    | 1-249-439-11 | CARBON      | 68K 5% 1/4W  |
| R887    | 1-247-807-31 | CARBON      | 100 5% 1/4W  | R946    | 1-215-421-00 | METAL       | 1K 1% 1/4W   |
| R888    | 1-247-807-31 | CARBON      | 100 5% 1/4W  | R947    | 1-249-441-11 | CARBON      | 100K 5% 1/4W |
| R889    | 1-249-439-11 | CARBON      | 68K 5% 1/4W  | R948    | 1-249-409-11 | CARBON      | 220 5% 1/4W  |
| R890    | 1-249-441-11 | CARBON      | 100K 5% 1/4W | R949    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R891    | 1-247-843-11 | CARBON      | 3.3K 5% 1/4W | R950    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R892    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R951    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R893    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W | R952    | 1-247-807-31 | CARBON      | 100 5% 1/4W  |
| R894    | 1-215-455-00 | METAL       | 27K 1% 1/4W  | R953    | 1-249-435-11 | CARBON      | 33K 5% 1/4W  |
| R895    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W | R954    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W |
| R896    | 1-249-441-11 | CARBON      | 100K 5% 1/4W | R955    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W |
| R897    | 1-247-807-31 | CARBON      | 100 5% 1/4W  | R956    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  |
| R898    | 1-249-409-11 | CARBON      | 220 5% 1/4W  | R957    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  |
| R900    | 1-216-474-11 | METAL OXIDE | 82 5% 3W     | R958    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  |
| R901    | 1-215-449-00 | METAL       | 15K 1% 1/4W  | R959    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W |
| R902    | 1-215-449-00 | METAL       | 15K 1% 1/4W  | R961    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W |
| R903    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R962    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  |
| R904    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R963    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  |
| R905    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R964    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W |
| R906    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R965    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W |
| R908    | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R966    | 1-249-409-11 | CARBON      | 220 5% 1/4W  |
| R909    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R967    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R910    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R968    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R911    | 1-215-461-00 | METAL       | 47K 1% 1/4W  | R969    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R912    | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R970    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R913    | 1-215-455-00 | METAL       | 27K 1% 1/4W  | R971    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R914    | 1-215-455-00 | METAL       | 27K 1% 1/4W  | R972    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R915    | 1-215-455-00 | METAL       | 27K 1% 1/4W  | R973    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  |
| R916    | 1-215-455-00 | METAL       | 27K 1% 1/4W  | R974    | 1-215-455-00 | METAL       | 27K 1% 1/4W  |
| R917    | 1-215-455-00 | METAL       | 27K 1% 1/4W  | R975    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  |
| R918    | 1-215-455-00 | METAL       | 27K 1% 1/4W  | R976    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W |
| R919    | 1-249-435-11 | CARBON      | 33K 5% 1/4W  | R978    | 1-215-443-00 | METAL       | 8.2K 1% 1/4W |
| R920    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R979    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W |
| R921    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R980    | 1-249-409-11 | CARBON      | 220 5% 1/4W  |
| R922    | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R981    | 1-249-409-11 | CARBON      | 220 5% 1/4W  |
| R923    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R982    | 1-215-469-00 | METAL       | 100K 1% 1/4W |
| R924    | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R983    | 1-249-409-11 | CARBON      | 220 5% 1/4W  |
| R925    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R984    | 1-215-445-00 | METAL       | 10K 1% 1/4W  |
| R926    | 1-249-408-11 | CARBON      | 180 5% 1/4W  | R985    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  |
| R927    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R986    | 1-215-449-00 | METAL       | 15K 1% 1/4W  |
| R928    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R987    | 1-249-408-11 | CARBON      | 180 5% 1/4W  |
| R929    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R988    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  |
| R930    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R989    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W |

**E H1 H2**

| REF.NO. | PART NO.       | DESCRIPTION                               | REMARK          | REF.NO. | PART NO.       | DESCRIPTION               | REMARK           |
|---------|----------------|-------------------------------------------|-----------------|---------|----------------|---------------------------|------------------|
| R990    | 1-249-431-11   | CARBON                                    | 15K 5% 1/4W     | R3002   | 1-216-073-91   | RES-CHIP                  | 10K 5% 1/10W     |
| R991    | 1-249-429-11   | CARBON                                    | 10K 5% 1/4W     | R3003   | 1-216-041-00   | RES-CHIP                  | 470 5% 1/10W     |
| R993    | 1-249-425-11   | CARBON                                    | 4.7K 5% 1/4W    | R3004   | 1-216-033-00   | RES-CHIP                  | 220 5% 1/10W     |
| R994    | 1-216-474-11   | METAL OXIDE                               | 82 5% 3W        | R3006   | 1-216-065-91   | RES-CHIP                  | 4.7K 5% 1/10W    |
| R997    | 1-215-445-00   | METAL                                     | 10K 1% 1/4W     | R3007   | 1-216-059-00   | RES-CHIP                  | 2.7K 5% 1/10W    |
| R998    | 1-249-425-11   | CARBON                                    | 4.7K 5% 1/4W    | R3010   | 1-216-045-00   | RES-CHIP                  | 680 5% 1/10W     |
| R999    | 1-249-425-11   | CARBON                                    | 4.7K 5% 1/4W    |         |                |                           |                  |
| R1901   | 1-249-439-11   | CARBON                                    | 68K 5% 1/4W     |         |                | <SWITCH>                  |                  |
| R1904   | 1-249-425-11   | CARBON                                    | 4.7K 5% 1/4W    |         |                |                           |                  |
|         |                | <SPARK GAP>                               |                 | S3001   | 1-692-431-21   | SWITCH, TACTIL (PROG -)   |                  |
| SG501   | 1-519-422-11   | GAP, SPARK                                |                 | S3002   | 1-692-431-21   | SWITCH, TACTIL (PROG +)   |                  |
|         |                | <TRANSFORMER>                             |                 | S3003   | 1-692-431-21   | SWITCH, TACTIL (VOL +)    |                  |
| T501    | 1-437-195-11   | TRANSFORMER, HORIZONTAL DRIVE             |                 | S3004   | 1-692-431-21   | SWITCH, TACTIL (VOL -)    |                  |
| T502    | △ 1-431-211-11 | TRANSFORMER, FERRITE (PMT)                |                 | S3005   | 1-692-431-21   | SWITCH, TACTIL (TV/VIDEO) |                  |
| T504    | △ 1-453-331-21 | TRANSFORMER ASSY, FLYBACK (NX-4010//M3P4) |                 |         |                |                           |                  |
| *****   |                |                                           |                 | S3006   | △ 1-571-433-21 | SWITCH, PUSH (POWER)      | *****            |
|         |                | *A-1646-237-AH1 BOARD, COMPLETE           | *****           |         |                |                           |                  |
|         |                | <CAPACITOR>                               |                 |         |                |                           |                  |
| C3001   | 1-163-021-91   | CERAMIC CHIP                              | 0.01μF 10% 50V  | C3204   | 1-163-037-11   | CERAMIC CHIP              | 0.022μF 10% 50V  |
| C3002   | 1-102-074-00   | CERAMIC                                   | 0.001μF 10% 50V | C3205   | 1-163-037-11   | CERAMIC CHIP              | 0.022μF 10% 50V  |
| C3004   | 1-126-933-11   | ELECT                                     | 100μF 20% 16V   | C3214   | 1-163-017-00   | CERAMIC CHIP              | 0.0047μF 10% 50V |
| C3005   | 1-163-275-11   | CERAMIC CHIP                              | 0.001μF 5% 50V  | C3217   | 1-163-017-00   | CERAMIC CHIP              | 0.0047μF 10% 50V |
|         |                | <CONNECTOR>                               |                 |         |                |                           |                  |
| CN3001  | *1-564-525-11  | PLUG, CONNECTOR 10P                       |                 |         |                |                           |                  |
| CN3002  | *1-564-518-11  | PLUG, CONNECTOR 3P                        |                 |         |                |                           |                  |
| CN3003  | *1-580-690-11  | PIN, CONNECTOR (PC BOARD) 4P              |                 |         |                |                           |                  |
| CN3004  | *1-691-292-11  | PIN, CONNECTOR (PC BOARD) 3P              |                 |         |                |                           |                  |
|         |                | <DIODE>                                   |                 |         |                |                           |                  |
| D3001   | 8-719-109-89   | DIODE RD5.6ESB2                           |                 |         |                |                           |                  |
| D3003   | 8-719-109-89   | DIODE RD5.6ESB2                           |                 |         |                |                           |                  |
| D3008   | 8-719-302-45   | DIODE SEL1210S-D (STANDBY)                |                 |         |                |                           |                  |
|         |                | <IC>                                      |                 |         |                |                           |                  |
| IC3002  | 8-742-180-30   | HYB IC SBX3081-51(30)                     |                 |         |                |                           |                  |
|         |                | <TRANSISTOR>                              |                 |         |                |                           |                  |
| Q3002   | 8-729-120-28   | TRANSISTOR 2SC1623-L5L6                   |                 |         |                |                           |                  |
|         |                | <RESISTOR>                                |                 |         |                |                           |                  |
| R3001   | 1-216-081-00   | RES-CHIP                                  | 22K 5% 1/10W    |         |                |                           |                  |



| REF.NO.                                        | PART NO.     | DESCRIPTION                  | REMARK     | REF.NO.                                    | PART NO.     | DESCRIPTION                 | REMARK |
|------------------------------------------------|--------------|------------------------------|------------|--------------------------------------------|--------------|-----------------------------|--------|
| <RESISTOR>                                     |              |                              |            | R4915                                      | 1-216-043-91 | RES-CHIP 560 5% 1/10W       |        |
|                                                |              |                              |            | *****                                      |              |                             |        |
| R3207                                          | 1-208-785-11 | METAL CHIP 1.3K              | 0.5% 1/10W | * A-1648-034-A UE BOARD, COMPLETE (41PX1R) |              |                             |        |
| R3209                                          | 1-216-033-00 | RES-CHIP 220                 | 5% 1/10W   | *****                                      |              |                             |        |
| R3210                                          | 1-216-033-00 | RES-CHIP 220                 | 5% 1/10W   | <CAPACITOR>                                |              |                             |        |
| R3211                                          | 1-216-033-00 | RES-CHIP 220                 | 5% 1/10W   | C2701                                      | 1-163-133-00 | CERAMIC CHIP 470pF 5% 50V   |        |
| R3212                                          | 1-216-033-00 | RES-CHIP 220                 | 5% 1/10W   | C2702                                      | 1-164-232-11 | CERAMIC CHIP 0.01μF 10% 50V |        |
| R3214                                          | 1-216-025-11 | RES-CHIP 100                 | 5% 1/10W   | C2703                                      | 1-163-133-00 | CERAMIC CHIP 470pF 5% 50V   |        |
| R3212                                          | 1-216-025-11 | RES-CHIP 100                 | 5% 1/10W   | C2704                                      | 1-164-232-11 | CERAMIC CHIP 0.01μF 10% 50V |        |
| <SWITCH>                                       |              |                              |            | C2705                                      | 1-126-934-11 | ELECT 220μF 20% 16V         |        |
| S3205                                          | 1-692-431-21 | SWITCH, TACTIL (AUTO CONVER) |            | C2706                                      | 1-126-964-11 | ELECT 10μF 20% 50V          |        |
| S3206                                          | 1-692-431-21 | SWITCH, TACTIL (AUTO TUNE)   |            | C2707                                      | 1-126-964-11 | ELECT 10μF 20% 50V          |        |
| *****                                          |              |                              |            | C2708                                      | 1-126-947-11 | ELECT 47μF 20% 16V          |        |
| * A-1648-033-AU BOARD, COMPLETE (41PX1/41PX1K) |              |                              |            | C2709                                      | 1-126-964-11 | ELECT 10μF 20% 50V          |        |
| *****                                          |              |                              |            | C2710                                      | 1-126-947-11 | ELECT 47μF 20% 16V          |        |
| <CAPACITOR>                                    |              |                              |            | <CONNECTOR>                                |              |                             |        |
| C4901                                          | 1-163-021-91 | CERAMIC CHIP 0.01μF          | 10% 50V    | CN2701*                                    | 1-564-522-11 | PLUG, CONNECTOR 7P          |        |
| C4902                                          | 1-163-133-00 | CERAMIC CHIP 470pF           | 5% 50V     | CN2702*                                    | 1-564-523-11 | PLUG, CONNECTOR 8P          |        |
| C4903                                          | 1-163-021-91 | CERAMIC CHIP 0.01μF          | 10% 50V    | CN2703                                     | 1-695-549-11 | SOCKET, PIN 21P             |        |
| C4904                                          | 1-163-133-00 | CERAMIC CHIP 470pF           | 5% 50V     | <DIODE>                                    |              |                             |        |
| <CONNECTOR>                                    |              |                              |            | D2701                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| CN4901*                                        | 1-564-522-11 | PLUG, CONNECTOR 7P           |            | D2702                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| CN4902*                                        | 1-564-523-11 | PLUG, CONNECTOR 8P           |            | D2703                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| <DIODE>                                        |              |                              |            | D2704                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| D4906                                          | 8-719-069-60 | DIODE UDZSTE-179.1B          |            | D2705                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| D4907                                          | 8-719-069-60 | DIODE UDZSTE-179.1B          |            | D2706                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| D4908                                          | 8-719-069-60 | DIODE UDZSTE-179.1B          |            | D2707                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| <JACK>                                         |              |                              |            | D2708                                      | 8-719-069-60 | DIODE UDZSTE-179.1B         |        |
| J4901                                          | 1-695-549-11 | SOCKET, PIN 21P (AV3 IN/OUT) |            | <RESISTOR>                                 |              |                             |        |
| <COIL>                                         |              |                              |            | R2702                                      | 1-216-022-00 | RES,CHIP 75 5% 1/10W        |        |
| L4900                                          | 1-412-002-31 | INDUCTOR 4.7μH               |            | R2703                                      | 1-216-033-00 | RES,CHIP 220 5% 1/10W       |        |
| L4901                                          | 1-412-002-31 | INDUCTOR 4.7μH               |            | R2704                                      | 1-216-039-00 | RES,CHIP 390 5% 1/10W       |        |
| L4902                                          | 1-412-002-31 | INDUCTOR 4.7μH               |            | R2705                                      | 1-216-039-00 | RES,CHIP 390 5% 1/10W       |        |
| L4903                                          | 1-412-002-31 | INDUCTOR 4.7μH               |            | R2706                                      | 1-216-024-00 | RES,CHIP 91 5% 1/10W        |        |
| <RESISTOR>                                     |              |                              |            | R2707                                      | 1-216-023-00 | RES,CHIP 82 5% 1/10W        |        |
| R4901                                          | 1-216-043-91 | RES-CHIP 560                 | 5% 1/10W   | R2709                                      | 1-216-113-00 | RES,CHIP 470K 5% 1/10W      |        |
| R4903                                          | 1-216-043-91 | RES-CHIP 560                 | 5% 1/10W   | R2710                                      | 1-216-089-00 | RES,CHIP 47K 5% 1/10W       |        |
| R4907                                          | 1-216-043-91 | RES-CHIP 560                 | 5% 1/10W   | R2711                                      | 1-216-113-00 | RES,CHIP 470K 5% 1/10W      |        |
| R4910                                          | 1-216-295-91 | SHORT 0                      |            | R2712                                      | 1-216-089-00 | RES,CHIP 47K 5% 1/10W       |        |
| R4912                                          | 1-216-295-91 | SHORT 0                      |            | R2715                                      | 1-216-025-11 | RES,CHIP 100 5% 1/10W       |        |
| R4913                                          | 1-216-295-91 | SHORT 0                      |            | R2716                                      | 1-216-295-91 | SHORT 0                     |        |
|                                                |              |                              |            | R2717                                      | 1-216-025-11 | RES,CHIP 100 5% 1/10W       |        |
|                                                |              |                              |            | R2718                                      | 1-216-295-91 | SHORT 0                     |        |
|                                                |              |                              |            | *****                                      |              |                             |        |

The components identified by shading  
and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

KP-41PX1/41PX1K/41PX1R

RM-892 RM-892 RM-862



| REF.NO. | PART NO.              | DESCRIPTION                               | REMARK          | REF.NO. | PART NO.     | DESCRIPTION                      | REMARK                                    |
|---------|-----------------------|-------------------------------------------|-----------------|---------|--------------|----------------------------------|-------------------------------------------|
|         |                       | * A-1652-078-AZG BOARD, COMPLETE<br>***** |                 | Q1434   | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA        |                                           |
|         |                       |                                           |                 | Q1435   | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA        |                                           |
|         |                       | 4-382-854-11 SCREW (M3X10), P, SW (+)     |                 | Q1436   | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA        |                                           |
|         |                       |                                           |                 | Q1437   | 8-729-423-33 | TRANSISTOR 2SC3311A-QRSTA        |                                           |
|         |                       | <CAPACITOR>                               |                 | Q1438   | 8-729-119-76 | TRANSISTOR 2SA1175-HFE           |                                           |
| C1431   | 1-102-508-91          | CERAMIC                                   | 10pF 0.5pF 50V  |         |              | <RESISTOR>                       |                                           |
| C1432   | 1-126-935-11          | ELECT                                     | 470μF 20% 16V   | R1431   | 1-249-414-11 | CARBON 560 5% 1/4W               |                                           |
| C1433   | 1-107-364-11          | MYLAR                                     | 0.01μF 10% 200V | R1432   | 1-249-414-11 | CARBON 560 5% 1/4W               |                                           |
| C1434   | 1-107-364-11          | MYLAR                                     | 0.01μF 10% 200V | R1433   | 1-249-377-11 | CARBON 0.47 5% 1/4W              |                                           |
| C1435   | 1-107-667-11          | ELECT                                     | 2.2μF 20% 160V  | R1434   | 1-215-916-00 | METAL OXIDE 680 5% 3W            |                                           |
|         |                       |                                           |                 | R1435   | 1-216-475-11 | METAL OXIDE 120 5% 3W            |                                           |
| C1436   | 1-130-471-00          | MYLAR                                     | 0.001μF 5% 50V  |         |              |                                  |                                           |
| C1437   | 1-130-471-00          | MYLAR                                     | 0.001μF 5% 50V  | R1436   | 1-216-475-11 | METAL OXIDE 120 5% 3W            |                                           |
| C1438   | 1-107-364-11          | MYLAR                                     | 0.01μF 10% 200V | R1437   | 1-249-415-11 | CARBON 680 5% 1/4W               |                                           |
| C1439   | 1-161-830-00          | CERAMIC                                   | 0.0047μF 500V   | R1438   | 1-215-451-00 | METAL 18K 1% 1/4W                |                                           |
| C1440   | 1-104-664-11          | ELECT                                     | 47μF 20% 25V    | R1439   | 1-215-451-00 | METAL 18K 1% 1/4W                |                                           |
|         |                       |                                           |                 | R1440   | 1-249-415-11 | CARBON 680 5% 1/4W               |                                           |
| C1441   | 1-137-380-11          | MYLAR                                     | 0.47μF 5% 50V   |         |              |                                  |                                           |
| C1443   | 1-126-935-11          | ELECT                                     | 470μF 20% 16V   | R1442   | 1-247-807-31 | CARBON 100 5% 1/4W               |                                           |
| C1444   | 1-107-648-91          | ELECT                                     | 100μF 20% 160V  | R1443   | 1-249-377-11 | CARBON 0.47 5% 1/4W              |                                           |
| C1445   | 1-126-935-11          | ELECT                                     | 470μF 20% 16V   | R1444   | 1-247-807-31 | CARBON 100 5% 1/4W               |                                           |
| C1446   | 1-126-935-11          | ELECT                                     | 470μF 20% 16V   | R1445   | 1-125-417-00 | CARBON 680 5% 1/4W               |                                           |
|         |                       |                                           |                 | R1446   | 1-249-401-11 | CARBON 47 5% 1/4W                |                                           |
|         |                       | <CONNECTOR>                               |                 |         |              |                                  |                                           |
| CN1431  | * 1-564-508-11        | PLUG, CONNECTOR 5P                        |                 | R1447   | 1-249-401-11 | CARBON 47 5% 1/4W                |                                           |
| CN1432  | * 1-564-510-11        | PLUG, CONNECTOR 7P                        |                 | R1448   | 1-249-417-11 | CARBON 1K 5% 1/4W                |                                           |
| CN1433  | * 1-564-507-11        | PLUG, CONNECTOR 4P                        |                 | R1449   | 1-215-389-00 | METAL 47 1% 1/4W                 |                                           |
| CN1434  | * 1-580-689-11        | PIN, CONNECTOR (PC BOARD) 4P              |                 | R1450   | 1-249-425-11 | CARBON 4.7K 5% 1/4W              |                                           |
| CN1461  | * 1-564-506-11        | PLUG, CONNECTOR 3P                        |                 | R1451   | 1-249-409-11 | CARBON 220 5% 1/4W               |                                           |
|         |                       |                                           |                 |         |              |                                  |                                           |
| CN1462  | * 1-564-507-11        | PLUG, CONNECTOR 4P                        |                 | R1452   | 1-249-413-11 | CARBON 470 5% 1/4W               |                                           |
| CN1463  | 1-564-505-31          | PLUG, CONNECTOR 2P                        |                 | R1454   | 1-260-310-51 | CARBON 33 5% 1/2W                |                                           |
| CN1464  | * 1-564-507-11        | PLUG, CONNECTOR 4P                        |                 | R1455   | 1-249-383-11 | CARBON 1.5 5% 1/4W               |                                           |
|         |                       |                                           |                 | R1457   | 1-249-417-11 | CARBON 1K 5% 1/4W                |                                           |
|         |                       |                                           |                 | R1458   | 1-249-383-11 | CARBON 1.5 5% 1/4W               |                                           |
|         |                       | <DIODE>                                   |                 |         |              |                                  |                                           |
| D1431   | 8-719-924-11          | DIODE MTZJ-T-77-22                        |                 | R1459   | 1-249-399-11 | CARBON 33 5% 1/4W                |                                           |
| D1432   | 8-719-924-11          | DIODE MTZJ-T-77-22                        |                 | R1460   | 1-215-916-00 | METAL OXIDE 680 5% 3W            |                                           |
| D1433   | 8-719-991-33          | DIODE 1SS133T-77                          |                 | R1461   | 1-249-414-11 | CARBON 560 5% 1/4W               |                                           |
| D1434   | 8-719-991-33          | DIODE 1SS133T-77                          |                 | R1462   | 1-249-414-11 | CARBON 560 5% 1/4W               |                                           |
| D1435   | 8-719-991-33          | DIODE 1SS133T-77                          |                 | R1463   | 1-249-429-11 | CARBON 10K 5% 1/4W               |                                           |
|         |                       |                                           |                 |         |              |                                  |                                           |
| D1436   | 8-719-991-33          | DIODE 1SS133T-77                          |                 | R1465   | 1-216-475-11 | METAL OXIDE 120 5% 3W            |                                           |
| D1437   | 8-719-991-33          | DIODE 1SS133T-77                          |                 | R1468   | 1-216-475-11 | METAL OXIDE 120 5% 3W            |                                           |
|         |                       |                                           |                 |         |              | *****                            |                                           |
|         |                       |                                           |                 |         |              | * A-1652-079-AZR BOARD, COMPLETE |                                           |
|         |                       |                                           |                 |         |              | *****                            |                                           |
|         |                       | <CONNECTOR>                               |                 |         |              | <CONNECTOR>                      |                                           |
| DY1431  | $\Delta$ 1-451-517-31 | DEFLECTION YOKE (G)                       |                 |         |              | CN1401 * 1-564-510-11            | PLUG, CONNECTOR 7P                        |
|         |                       |                                           |                 |         |              | CN1403 * 1-564-506-11            | PLUG, CONNECTOR 3P                        |
|         |                       |                                           |                 |         |              | CN1404 * 1-564-507-11            | PLUG, CONNECTOR 4P                        |
|         |                       |                                           |                 |         |              | CN1405 * 1-580-689-11            | PIN, CONNECTOR (PC BOARD) 4P              |
|         |                       | <COIL>                                    |                 |         |              |                                  |                                           |
| L1431   | 1-410-478-11          | INDUCTOR                                  | 47μH            |         |              | <CONNECTOR>                      |                                           |
|         |                       |                                           |                 |         |              |                                  |                                           |
|         |                       | <TRANSISTOR>                              |                 |         |              |                                  |                                           |
| Q1431   | 8-729-044-61          | TRANSISTOR 2SC4793 (LBS2SONY)             |                 |         |              |                                  |                                           |
| Q1432   | 8-729-044-59          | TRANSISTOR 2SA1837 (LBS2SONY)             |                 |         |              | DY1401                           | $\Delta$ 1-451-517-31 DEFLECTION YOKE (R) |
| Q1433   | 8-729-119-76          | TRANSISTOR 2SA1175-HFE                    |                 |         |              |                                  |                                           |

The components identified by shading  
and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

KP-41PX1/41PX1K/41PX1R

RM-892

RM-892

RM-862

**ZR**

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

<RESISTOR>

|       |              |             |     |    |      |
|-------|--------------|-------------|-----|----|------|
| R1401 | 1-249-414-11 | CARBON      | 560 | 5% | 1/4W |
| R1402 | 1-249-414-11 | CARBON      | 560 | 5% | 1/4W |
| R1403 | 1-215-916-00 | METAL OXIDE | 680 | 5% | 3W   |
| R1415 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W   |
| R1418 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W   |

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MISCELLANEOUS

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$\Delta$  1-223-925-71 RESISTOR ASSY (HIGH-VOLTAGE)  
(FOCUS PACK)

$\Delta$  1-451-517-21 DEFLECTION YOKE

$\Delta$  1-451-517-31 DEFLECTION YOKE

$\Delta$  1-452-790-31 NECK ASSY

$\Delta$  1-452-790-41 NECK ASSY

1-505-426-11 SPEAKER (10.6 CM)

1-528-864-12 BATTERY, SOLAR

1-543-653-21 CORE ASSY, BEAD (DIVISION TYPE)

$\Delta$  1-765-286-11 CORD, POWER

$\Delta$  8-598-955-13 BLOCK ASSY, HIGH-VOLTAGE

$\Delta$  A-1501-213-AMECHASEAL ASSY (R), SLANT

$\Delta$  A-1501-214-AMECHASEAL ASSY (G), SLANT

$\Delta$  A-1501-215-AMECHASEAL ASSY (B), SLANT

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ACCESSORIES & PACKING MATERIALS

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\* 4-029-168-01 BAG, PROTECTION

\* 4-030-895-01 JOINT

\* 4-041-423-11 SHEET, PROTECTION

\* 4-065-646-01 CUSHION (UPPER) (ASSY)

\* 4-065-730-01 TRAY

\* 4-072-998-01 INDIVIDUAL CARTON

\* 4-206-026-01 CUSHION, LOWER

4-026-027-11 MANUAL, INSTRUCTION (41PX1)

4-026-027-21 MANUAL, INSTRUCTION (41PX1R)

4-026-027-31 MANUAL, INSTRUCTION (41PX1K)

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REMOTE COMMANDER

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1-418-572-11 REMOTE COMMANDER (RM-892)

1-473-692-11 REMOTE COMMANDER (RM-862)

